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OM protein - protein search, using sw model

Run on: August 11, 2004, 16:37:19 ; Search time 27 Seconds  
(without alignments)  
1713.217 Million cell updates/sec

Title: US-10-014-156-13

Perfect score: 4840

Sequence: 1 MICGKFCVLLHWQFIYVIT.....NPKNCWSAQGLNFQKRTN1L 896

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*

- 1: /cgn2\_6/prodata/2/iaa/5A\_COMB.pep.\*
- 2: /cgn2\_6/prodata/2/iaa/5B\_COMB.pep.\*
- 3: /cgn2\_6/prodata/2/iaa/6A\_COMB.pep.\*
- 4: /cgn2\_6/prodata/2/iaa/6B\_COMB.pep.\*
- 5: /cgn2\_6/prodata/2/iaa/PCTUS\_COMB.pep.\*
- 6: /cgn2\_6/prodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4836	99.9	896	4	US-09-043-816E-13
2	4633	95.7	896	4	US-08-780-562-3
3	4631	95.7	896	4	US-08-618-957A-10
4	4631	95.7	896	4	US-09-357-914-33
5	4631	95.7	898	2	US-08-693-697-36
6	4618	95.4	898	4	US-08-588-189-3
7	4614	95.3	906	4	US-08-618-957A-9
8	4614	95.3	906	4	US-09-357-914-32
9	4614	95.3	908	2	US-08-693-697-33
10	4614	95.3	923	4	US-08-780-562-4
11	4614	95.3	1165	2	US-08-599-455B-4
12	4614	95.3	1165	3	US-09-093-814-1
13	4614	95.3	1165	3	US-09-069-781B-4
14	4614	95.3	1165	4	US-08-618-957A-11
15	4614	95.3	1165	4	US-09-137-132-4
16	4614	95.3	1165	4	US-09-094-410-4
17	4614	95.3	1165	4	US-08-708-123D-4
18	4614	95.3	1165	4	US-08-583-153A-4
19	4614	95.3	1165	4	US-08-570-142D-4
20	4614	95.3	1165	4	US-08-780-562-2
21	4614	95.3	1165	4	US-08-638-524B-4
22	4612	95.3	958	4	US-08-618-957A-8
23	4612	95.3	960	1	US-08-355-888A-8
24	4612	95.3	960	2	US-08-693-697-8
25	4612	95.3	960	2	US-08-640-389A-3
26	4612	95.3	960	3	US-08-593-696-8
27	4612	95.3	960	4	US-09-357-914-8

28	4607	95.2	960	2	US-08-588-190-3	Sequence 3, Appli
29	4607	95.2	960	4	US-08-618-957A-3	Sequence 3, Appli
30	4603	95.1	896	2	US-08-640-389A-10	Sequence 10, Appli
31	4601	95.1	908	2	US-08-588-526-3	Sequence 3, Appli
32	4600	95.0	1165	4	US-08-864-564A-4	Sequence 4, Appli
33	4586	94.8	906	2	US-08-640-389A-9	Sequence 9, Appli
34	4586	94.8	1165	2	US-08-640-389A-11	Sequence 11, Appli
35	4584	94.7	958	2	US-08-640-389A-8	Sequence 8, Appli
36	4312	87.0	1221	4	US-08-992-430-2	Sequence 2, Appli
37	3660	75.6	894	4	US-08-618-957A-12	Sequence 12, Appli
38	3657	75.6	896	2	US-08-640-389A-12	Sequence 12, Appli
39	3653	75.5	894	2	US-08-599-455B-2	Sequence 2, Appli
40	3653	75.5	894	3	US-09-069-781B-2	Sequence 2, Appli
41	3653	75.5	894	4	US-09-137-132-2	Sequence 2, Appli
42	3653	75.5	894	4	US-08-864-564A-2	Sequence 2, Appli
43	3653	75.5	894	4	US-09-094-410-2	Sequence 2, Appli
44	3653	75.5	894	4	US-08-708-123D-2	Sequence 2, Appli
45	3653	75.5	894	4	US-08-583-153A-2	Sequence 2, Appli

#### ALIGNMENTS

##### RESULT 1

US-09-043-816E-13  
; Sequence 13, Application US/09043816E  
; Patent No. 6414128

; GENERAL INFORMATION:

; APPLICANT: Hilton, Douglas J.  
; APPLICANT: Willson, Tracy

; APPLICANT: Nicola, Nicolas A.

; APPLICANT: Gainsford, Timothy

; APPLICANT: Alexander, Warren S.

; APPLICANT: Metcalf, Donald

; APPLICANT: Ng, Ashley

; TITLE OF INVENTION: A NOVEL HAEMOPOIETIN RECEPTOR AND GENETIC SEQUENCES

; TITLE OF INVENTION: ENCODING SAME

; FILE REFERENCE: 11268

; CURRENT APPLICATION NUMBER: US/09/043.816E

; CURRENT FILING DATE: 1998-09-17

; NUMBER OF SEQ ID NOS: 44

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 13

; LENGTH: 896

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: UNSURE

; LOCATION: (223)

; OTHER INFORMATION: Xaa is unknown or other.

; NAME/KEY: UNSURE

; LOCATION: (687)

; OTHER INFORMATION: Xaa is unknown or other.

US-09-043-816E-13

Query Match 99.9%; Score 4836; DB 4; Length 896;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 896; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPTIPWRFKLSMPPNSTNYFLLPAGLSKNTSNS 60

DB 1 MICGKFCVLLHWQFIYVITAFNLSYPTIPWRFKLSMPPNSTNYFLLPAGLSKNTSNS 60

QY 61 NGHETAVPEKFNSSGTHFSNLSKTTTCCPSRSDRNCSLCADNIEGRTFVSTVNSLVF 120

DB 61 NGHETAVPEKFNSSGTHFSNLSKTTTCCPSRSDRNCSLCADNIEGRTFVSTVNSLVF 120

QY 121 QOIDANNNIQQWLKGDLLKLFICYVESLFKNLFNRYNKKVHLVLYLPEVLEDSPLVPQKGS 180

DB 121 QOIDANNNIQQWLKGDLLKLFICYVESLFKNLFNRYNKKVHLVLYLPEVLEDSPLVPQKGS 180

QY 181 FQWFCNCSVHECCBCLVPVFTAKNDTLMLCLKITSGVIFXSPSLMSVQINNVKPPPP 240

DB 181 FQWFCNCSVHECCBCLVPVFTAKNDTLMLCLKITSGVIFXSPSLMSVQINNVKPPPP 240

Db 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINVVKPDP 240  
Qy 241 LGLHWEITDDGNLKSWSPPPLVFPPIQYQVYSENSTTVIREADKIVSATSLLVDSILP 300  
Db 241 LGLHWEITDDGNLKSWSPPPLVFPPIQYQVYSENSTTVIREADKIVSATSLLVDSILP 300  
Qy 301 GSSYEVOVRGRKLDGPGIWSWSPTRVFTTQDVLYFPFKILTSGVSNVSHFCIKYKENKI 360  
Db 301 GSSYEVOVRGRKLDGPGIWSWSPTRVFTTQDVLYFPFKILTSGVSNVSHFCIKYKENKI 360  
Qy 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVKVTFNMLNETKRGFTTYDAVYCCNEHCCH 420  
Db 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVKVTFNMLNETKRGFTTYDAVYCCNEHCCH 420  
Qy 421 RYAGLYVINVNINISCTQNGYLTQWTCRWSSTTQSLAESTLELYRHSLSYCSNIPSIH 480  
Db 421 RYAGLYVINVNINISCTQNGYLTQWTCRWSSTTQSLAESTLELYRHSLSYCSNIPSIH 480  
Qy 481 PISEPKNCYLOSNGFYQICPOPIFLLSGYTWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKNCYLOSNGFYQICPOPIFLLSGYTWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINTGLLKISWEKVPFENNLPQIRTLGSGKEVQWQVYVTPNPKKSVSLPV 600  
Db 541 SSVKAEITINTGLLKISWEKVPFENNLPQIRTLGSGKEVQWQVYVTPNPKKSVSLPV 600  
Qy 601 PDLCAVAVQVRFKELDGLGWSWNSPAYTVVMDIKVPMRGPEFRIINGDTWKKEKNV 660  
Db 601 PDLCAVAVQVRFKELDGLGWSWNSPAYTVVMDIKVPMRGPEFRIINGDTWKKEKNV 660  
Qy 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTPLWTEQAHVTVLAINSI 720  
Db 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTPLWTEQAHVTVLAINSI 720  
Qy 721 GASVANFNLTFSWPMKKNIVQSLASVPLNSSCVIVSWILSPSDVKLMPYIIEWKLNED 780  
Db 721 GASVANFNLTFSWPMKKNIVQSLASVPLNSSCVIVSWILSPSDVKLMPYIIEWKLNED 780  
Qy 781 GEIKWLRISSVKYIYIHDPPIEIKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSVKYIYIHDPPIEIKYQFSLYPIFMGVGKPKIINSFTQNNIEKHQSDA 840  
Qy 841 GLYVIVPVISSILLGTLILSHQRMKKLPWEDVNPKNCSWAQGLNFKQRTNII 896  
Db 841 GLYVIVPVISSILLGTLILSHQRMKKLPWEDVNPKNCSWAQGLNFKQRTNII 896

## RESULT 2

US-08-780-562-3

; Sequence 3, Application US/08780562

; Patent No. 6541604

; GENERAL INFORMATION:

; APPLICANT: Matthews, William

; APPLICANT: Bennett, Brian

; TITLE OF INVENTION: WSX RECEPTOR

; NUMBER OF SEQUENCES: 45

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WinPatIn (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/780,562

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/585005  
; FILING DATE: 01/08/97  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/  
; FILING DATE: 01/08/97  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 40,378  
; REFERENCE/DOCKET NUMBER: P0986R1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1994  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 896 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-08-780-562-3

Query Match 95.7%; Score 4633; DB 4; Length 896;

Best Local Similarity 96.1%; Pred No. 0;

Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MICGRFCVLLHWQIYVITAFNLSYPTIPWRFKLSMPPNSTNYFLLPAGLSKNTS 60  
Db 1 MICGRFCVLLHWQIYVITAFNLSYPTIPWRFKLSMPPNSTNYFLLPAGLSKNTS 60  
Qy 61 NGHYETAPEKPNSSGTHFNSLSTKTHCCPRSEODRNCSLCADNIEGRTFTVSTVNSLVP 120  
Db 61 NGHYETAPEKPNSSGTHFNSLSTKTHCCPRSEODRNCSLCADNIEGRTFTVSTVNSLVP 120  
Qy 121 QQIDANWNIQWLKGDGLKLF-CYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Db 121 QQIDANWNIQWLKGDGLKLF-CYVESLFKNLFNRYNYKVHLLYVLPVLEDSPLVPQKGS 180  
Qy 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINVVKPDP 240  
Db 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINVVKPDP 240  
Qy 241 LGLHWEITDDGNLKSWSPPPLVFPPIQYQVYSENSTTVIREADKIVSATSLLVDSILP 300  
Db 241 LGLHWEITDDGNLKSWSPPPLVFPPIQYQVYSENSTTVIREADKIVSATSLLVDSILP 300  
Qy 301 GSSYEVOVRGRKLDGPGIWSWSPTRVFTTQDVLYFPFKILTSGVSNVSHFCIKYKENKI 360  
Db 301 GSSYEVOVRGRKLDGPGIWSWSPTRVFTTQDVLYFPFKILTSGVSNVSHFCIKYKENKI 360  
Qy 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVKVTFNMLNETKRGFTTYDAVYCCNEHCCH 420  
Db 361 VPSKEIVVWNNLAEIIPQSDVVDVSDHVKVTFNMLNETKRGFTTYDAVYCCNEHCCH 420  
Qy 421 RYAGLYVINVNINISCTQNGYLTQWTCRWSSTTQSLAESTLELYRHSLSYCSNIPSIH 480  
Db 421 RYAGLYVINVNINISCTQNGYLTQWTCRWSSTTQSLAESTLELYRHSLSYCSNIPSIH 480  
Qy 481 PISEPKNCYLOSNGFYQICPOPIFLLSGYTWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKNCYLOSNGFYQICPOPIFLLSGYTWIRINHSLSGSLNSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINTGLLKISWEKVPFENNLPQIRTLGSGKEVQWQVYVTPNPKKSVSLPV 600  
Db 541 SSVKAEITINTGLLKISWEKVPFENNLPQIRTLGSGKEVQWQVYVTPNPKKSVSLPV 600  
Qy 601 PDLCAVAVQVRFKELDGLGWSWNSPAYTVVMDIKVPMRGPEFRIINGDTWKKEKNV 660  
Db 601 PDLCAVAVQVRFKELDGLGWSWNSPAYTVVMDIKVPMRGPEFRIINGDTWKKEKNV 660  
Qy 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTPLWTEQAHVTVLAINSI 720  
Db 661 YLLWKPLMKNDLSLCSVQRYVINHHTSXNGTWSNVGNHTKFTPLWTEQAHVTVLAINSI 720  
Qy 721 GASVANFNLTFSWPMKKNIVQSLASVPLNSSCVIVSWILSPSDVKLMPYIIEWKLNED 780

Db 721 GASVANFNLTFSPWMSKVNIVQSLASPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780  
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQDDIEKHQSDA 840  
Qy 841 GLYVIVPVISSSILLGLTLLISHORMKMLFWDVDPNPKNSWAQGLNFQKRTNLL 896  
Db 841 GLYVIVPVISSSILLGLTLLISHORMKMLFWDVDPNPKNSWAQGLNFQKRTDIL 896

RESULT 3  
US-08-618-957A-10  
; Sequence 10, Application US/08618957A  
; Patent No. 6355237  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. Ralph  
; APPLICANT: Cioffi, Joseph  
; APPLICANT: Zupancic, Thomas Joel  
; APPLICANT: Zupancic, Thomas J.  
; APPLICANT: Shafer, Alan Wayne  
; TITLE OF INVENTION: METHODS FOR USING THE OBESE  
; TITLE OF INVENTION: GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
; TITLE OF INVENTION: DEVELOPMENT  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennile & Edmonds LLP  
; STREET: 1155 Avenue of The Americas  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10036-2811  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/618,957A  
; FILING DATE: 20-MAR-1996  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Poissant, Brian M.  
; REGISTRATION NUMBER: 28,462  
; REFERENCE/DOCKET NUMBER: 008907-0033-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-493-4935  
; TELEFAX: 650-493-5556  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 896 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-618-957A-10

Query Match 95.78; Score 4631; DB 4; Length 896;  
Best Local Similarity 96.1%; Pred. No. 0;  
Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

Qy 1 MICKFCVLLHMQFIYVITAFNLSPITPWFRLKSCMPNPNSTNTYFLLPAGLSKNTNS 60  
Db 1 MICKFCVLLHMQFIYVITAFNLSPITPWFRLKSCMPNPNSTNTYFLLPAGLSKNTNS 60  
Qy 61 NGHYETAPEKFNSSGTHFNLSKTFHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVP 120  
Db 61 NGHYETAPEKFNSSGTHFNLSKATFHCCFRSEQDRNCSLCADNIEGRTFVSTVNSLVP 120

Qy 121 QQIDANWNIQWLKGLDKLFTICYVESLFPKLPFRNPNYKVHLLLYLPEVLEDSPLVPQKGS 180  
Db 121 QQIDANWNIQWLKGLDKLFTICYVESLFPKLPFRNPNYKVHLLLYLPEVLEDSPLVPQKGS 180  
Qy 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITTSGGVIFXSPMSVQPINMVKPDP 240  
Db 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLLMCLKITTSGGVIFXSPMSVQPINMVKPDP 240  
Qy 241 LGLHWEITDDGNLKIWSWSSPLVPPPLQYQVKYSENSTTVIREADKIYATSLLVDSILP 300  
Db 241 LGLHWEITDDGNLKIWSWSSPLVPPPLQYQVKYSENSTTVIREADKIYATSLLVDSILP 300  
Qy 301 GSSYEVOVRGKELDGPGLWSWSTPRVFTTODVIVFPKILTSVGSNSVSEHCIIYKKNKI 360  
Db 301 GSSYEVOVRGKELDGPGLWSWSTPRVFTTODVIVFPKILTSVGSNSVSEHCIIYKKNKI 360  
Qy 361 VPSKEIVVMHNLAEIPOSQYDVSDHVSQVTFNLTNETKPRGLFTYDAVTCNNEHCHH 420  
Db 361 VPSKEIVVMHNLAEIPOSQYDVSDHVSQVTFNLTNETKPRGLFTYDAVTCNNEHCHH 420  
Qy 421 RYAGLYVINVININISCTNGVLTMTCTRWSTSTQSLAESTLELRYHRSLLYCSNIPSIH 480  
Db 421 RYAGLYVINVININISCTNGVLTMTCTRWSTSTQSLAESTLELRYHRSLLYCSNIPSIH 480  
Qy 481 PISEPKNCVLOSNGEYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKNCVLOSNGEYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMVEYDADKSKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMVEYDADKSKSVSLPV 600  
Qy 601 PDLCAVAVOVRFKELDGLGYWSNKNPAYTVMVDIKVPMRGPPEPWRILNGDTMKEKNV 660  
Db 601 PDLCAVAVOVRFKELDGLGYWSNKNPAYTVMVDIKVPMRGPPEPWRILNGDTMKEKNV 660  
Qy 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTSENNGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTSENNGNHTKFTFLWTEQAHTVTVLAINSI 720  
Qy 721 GASVANFNLTFSPWMSKVNIVQSLASPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780  
Db 721 GASVANFNLTFSPWMSKVNIVQSLASPLNSSCVIVSWILSPSDYKUMYFIISWKNLND 780  
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMFEGVGPKIINSFTQDDIEKHQSDA 840  
Qy 841 GLYVIVPVISSSILLGLTLLISHORMKMLFWDVDPNPKNSWAQGLNFQKRTNLL 896  
Db 841 GLYVIVPVISSSILLGLTLLISHORMKMLFWDVDPNPKNSWAQGLNFQKRTDIL 896

RESULT 4  
US-09-357-914-33  
; Sequence 33, Application US/09357914  
; Patent No. 6524806  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. Ralph  
; APPLICANT: Cioffi, Joseph  
; APPLICANT: Zupancic, Thomas J.  
; APPLICANT: Shafer, Alan Wayne  
; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR Hu-B1.219, A  
; TITLE OF INVENTION: NOVEL HUMAN HEMATOPOIETIN RECEPTOR  
; FILE REFERENCE: 8907-0083-999  
; CURRENT FILING DATE: 1999-07-19  
; PRIOR FILING DATE: 1999-07-19  
; PRIOR FILING DATE: 1996-08-05  
; PRIOR FILING DATE: 1994-12-14  
; PRIOR FILING DATE: 1994-09-14

NUMBER OF SEQ ID NOS: 33  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 33  
 LENGTH: 896  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-357-914-33

Query Match 95.7%; Score 4631; DB 4; Length 896;  
 Best Local Similarity 96.1%; Pred. No. 0;  
 Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY	1	MICQKFCVLLHWFYVITAFNLSPYITPWRFKLSCHMPNSTNYFLLPAGLSKNTS	60
DB	1	MICQKFCVLLHWFYVITAFNLSPYITPWRFKLSCHMPNSTNYFLLPAGLSKNTS	60
QY	61	NGHYETAVERPNSGTHFNSLKTTHCCFRSDRNCSLCADNIEGRFTVNSLVF	120
DB	61	NGHYETAVERPNSGTHFNSLKTTHCCFRSDRNCSLCADNIEGRFTVNSLVF	120
QY	121	QIDANWNIQCLWGLDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKS	180
DB	121	QIDANWNIQCLWGLDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKS	180
QY	181	FQVHCNCSVHECCCECLVPVPTAKLNDLLMCLKITSGVIFXSPMSVOPINWKPDP	240
DB	181	FQVHCNCSVHECCCECLVPVPTAKLNDLLMCLKITSGVIFXSPMSVOPINWKPDP	240
QY	241	LGLHWEITDDGNLKIWSPPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLVDSILP	300
DB	241	LGLHWEITDDGNLKIWSPPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLVDSILP	300
QY	301	GSSYEVOVRGKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYKKNKI	360
DB	301	GSSYEVOVRGKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYKKNKI	360
QY	361	VPSKEIVMWNLAELIPQSDVDVSDVSKVTFNLTNETPRGLFTYDVAVCCNEHCCH	420
DB	361	VPSKEIVMWNLAELIPQSDVDVSDVSKVTFNLTNETPRGLFTYDVAVCCNEHCCH	420
QY	421	RYAGLYVINVNINISQCNGLTKTQCRWSTSTQSLAESTLELYRHSLSYCSNIPSIH	480
DB	421	RYAGLYVINVNINISQCNGLTKTQCRWSTSTQSLAESTLELYRHSLSYCSNIPSIH	480
QY	481	PISPEKCYLOSNGFYOCIPQIFLLSGYTWIRINHSLSGNSPPTCVLPDSVVKPLPP	540
DB	481	PISPEKCYLOSNGFYOCIPQIFLLSGYTWIRINHSLSGNSPPTCVLPDSVVKPLPP	540
QY	541	SSVRAEITINIGLLKISWEKVPFPENNLFQIRTLGSGKEVQWRYEVTNPKSVSLPV	600
DB	541	SSVRAEITINIGLLKISWEKVPFPENNLFQIRTLGSGKEVQWRYEVTNPKSVSLPV	600
QY	601	PDLCAVAVQVRFKELDGLGYNSKNSPAYTVMDIKVPMGEPFRIINGDTMKKEKNV	660
DB	601	PDLCAVAVQVRFKELDGLGYNSKNSPAYTVMDIKVPMGEPFRIINGDTMKKEKNV	660
QY	661	YLLMKPLKNDSLCSQVQYVINHTSTXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI	720
DB	661	YLLMKPLKNDSLCSQVQYVINHTSTXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI	720
QY	721	GASVANFNLTFSWPMKNVQISLAYSPLNSCVIVSKILSPSDVKLMYPIEKNLNE	780
DB	721	GASVANFNLTFSWPMKNVQISLAYSPLNSCVIVSKILSPSDVKLMYPIEKNLNE	780
QY	781	GEIKWLRISSSVKYYIHDHPIEPIEYQFSLYPIFMGEGVKPKIINSFTQNNIEKHQSDA	840
DB	781	GEIKWLRISSSVKYYIHDHPIEPIEYQFSLYPIFMGEGVKPKIINSFTQNNIEKHQSDA	840
QY	841	GLYVIVPVIISSILLGLTLLISHQMKKLFWEVDPHPKNCWAQGLNFQKRTNII	896
DB	841	GLYVIVPVIISSILLGLTLLISHQMKKLFWEVDPHPKNCWAQGLNFQKRTNII	896

RESULT 5

US-08-693-697-36  
 Sequence 36, Application US/08693697  
 Patent No. 5869610

GENERAL INFORMATION:

APPLICANT: Snodgrass, H. R.  
 APPLICANT: Cioffi, Joseph  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 TITLE OF INVENTION: HU-B1.219, A NOVEL HUMAN HEMATOPOIETIN  
 TITLE OF INVENTION: RECEPTOR  
 NUMBER OF SEQUENCES: 38  
 CORRESPONDENCE ADDRESS:

ADDRESSES: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FastSeq for Windows Version 2.0b  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/693,697

FILING DATE: 05-AUG-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Poissant, Brian M.

REGISTRATION NUMBER: 28,462

REFERENCE/DOCKET NUMBER: 8907-0037-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-493-4935

TELEFAX: 650-493-5556

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 898 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FRAGMENT TYPE: internal

US-08-693-697-36

Query Match 95.7%; Score 4631; DB 2; Length 898;

Best Local Similarity 96.1%; Pred. No. 0;

Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY	1	MICQKFCVLLHWFYVITAFNLSPYITPWRFKLSCHMPNSTNYFLLPAGLSKNTS	60
DB	3	MICQKFCVLLHWFYVITAFNLSPYITPWRFKLSCHMPNSTNYFLLPAGLSKNTS	62
QY	61	NGHYETAVERPNSGTHFNSLKTTHCCFRSDRNCSLCADNIEGRFTVNSLVF	120
DB	63	NGHYETAVERPNSGTHFNSLKTTHCCFRSDRNCSLCADNIEGRFTVNSLVF	122
QY	121	QIDANWNIQCLWGLDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKS	180
DB	123	QIDANWNIQCLWGLDLKLFICYVESLFPKLFNRYNYKVHLLYVLPVLESDPLVPQKS	182
QY	181	FQVHCNCSVHECCCECLVPVPTAKLNDLLMCLKITSGVIFXSPMSVOPINWKPDP	240
DB	183	FQVHCNCSVHECCCECLVPVPTAKLNDLLMCLKITSGVIFXSPMSVOPINWKPDP	242
QY	241	LGLHWEITDDGNLKIWSPPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLVDSILP	300
DB	243	LGLHWEITDDGNLKIWSPPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLVDSILP	302
QY	301	GSSYEVOVRGKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYKKNKI	360
DB	303	GSSYEVOVRGKLDGPGIWSWSTPRVFTTQDVYFPPKILTSVGSNVSFHCYKKNKI	362

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QY 361 VPSKEIWWHNLAEILIPQSDYDVSDHVKVTPFNINLNETKRGFTFYDAVYCCNEHCCH 420
DB 363 VPSKEIWWHNLAEILIPQSDYDVSDHVKVTPFNINLNETKRGFTFYDAVYCCNEHCCH 422
QY 421 RYAGLYVINVNINISCTGNGYLTQMTCRWSTSTTQSLAESTLELRVHRSSLYCSNIPSIH 480
DB 423 RYAEIYVIVNINISCTGNGYLTQMTCRWSTSTTQSLAESTLQLRVHRSSLYCSNIPSIH 482
QY 481 PISEPKNCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 483 PISEPKNCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMVEVTPKPKSVSLPV 600
DB 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMVEVTPKPKSVSLPV 602
QY 601 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 603 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662
QY 661 YLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 663 TLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKKNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780
DB 723 GASVANFNLTFSWPMKKNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 782
QY 781 GEIKWLRISSSVKYYIHDHFPIEKYQFSLYPIFMEGVGKPKIINFTQDDIEKHQSDA 840
DB 783 GEIKWLRISSSVKYYIHDHFPIEKYQFSLYPIFMEGVGKPKIINFTQDDIEKHQSDA 842
QY 841 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFKQRTNII 896
DB 843 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFKQRTDIL 898

RESULT 6
US-08-588-189-3
; Sequence 3, Application US/08588189
; Patent No. 6451523
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H.
; APPLICANT: Cioffi, Joseph
; APPLICANT: Zupancic, Thomas
; APPLICANT: Shafer, Alan
; TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR VARIANT
; TITLE OF INVENTION: AND METHODS FOR REGULATING OBESITY
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: US
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent'n Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/588,189
; FILING DATE: 18-JAN-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 8907-031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741

```

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; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 898 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-588-189-3

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Query Match 95.4%; Score 4618; DB 4; Length 898;
Best Local Similarity 95.9%; Pred. No. 0;
Matches 859; Conservative 16; Mismatches 21; Indels 0; Gaps 0;

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QY 1 MTCGKFCVLLHWQFYIVTAENLSVPITPWFKLSCHMPNSTTMYFLLPAGLSKNTNS 60
DB 3 MTCQKFCVLLHWQFYIVTAENLSVPITPWFKLSCHMPNSTTMYFLLPAGLSKNTNS 62
QY 61 NGHETAVPEKFNSSGTHFSNLSKTTFHCCFRSEQRNCSLCAENIEGRFTFVTSNLSVF 120
DB 63 NGHETAVPEKFNSSGTHFSNLSKATFHCCFRSEQRNCSLCAENIEGRFTFVTSNLSVF 122
QY 121 QOIDANWNIQCKLKGDLKLFICYVESLFGNLPNNYKVVHLLYVLPEVLEDSPLVPOKGS 180
DB 123 QOIDANWNIQCKLKGDLKLFICYVESLFGNLPNNYKVVHLLYVLPEVLEDSPLVPOKGS 182
QY 181 FQWVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGVIFXSPILMSVQPINMVKPDP 240
DB 183 FQWVHCNCSVHECCCECLVPVPTAKLNDTLLMCLKITSGVIFXSPILMSVQPINMVKPDP 242
QY 241 LGLHMEITDDGNLKISWSPPPLVPPLQVQVYKSENSSTVIREADKIYSATSLVDSILP 300
DB 243 LGLHMEITDDGNLKISWSPPPLVPPLQVQVYKSENSSTVIREADKIYSATSLVDSILP 302
QY 301 GSYEYQVQVGRKLDGPGIWSDMSTPRVFTQDVIVFPKILTSGVSNVSFHCIIYKKNKI 360
DB 303 GSYEYQVQVGRKLDGPGIWSDMSTPRVFTQDVIVFPKILTSGVSNVSFHCIIYKKNKI 362
QY 361 VPSKEIWWHNLAEILIPQSDYDVSDHVKVTPFNINLNETKRGFTFYDAVYCCNEHCCH 420
DB 363 VPSKEIWWHNLAEILIPQSDYDVSDHVKVTPFNINLNETKRGFTFYDAVYCCNEHCCH 422
QY 421 RYAGLYVINVNINISCTGNGYLTQMTCRWSTSTTQSLAESTLELRVHRSSLYCSNIPSIH 480
DB 423 RYAEIYVIVNINISCTGNGYLTQMTCRWSTSTTQSLAESTLQLRVHRSSLYCSNIPSIH 482
QY 481 PISEPKNCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
DB 483 PISEPKNCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 542
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMVEVTPKPKSVSLPV 600
DB 543 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMVEVTPKPKSVSLPV 602
QY 601 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 603 PDLCAVAVQVRFKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 662
QY 661 YLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720
DB 663 TLLWPKLMDKSLCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 722
QY 721 GASVANFNLTFSWPMKKNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780
DB 723 GASVANFNLTFSWPMKKNIVQSLSAFPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 782
QY 781 GEIKWLRISSSVKYYIHDHFPIEKYQFSLYPIFMEGVGKPKIINFTQDDIEKHQSDA 840
DB 783 GEIKWLRISSSVKYYIHDHFPIEKYQFSLYPIFMEGVGKPKIINFTQDDIEKHQSDA 842
QY 841 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFKQRTNII 896
DB 843 GLYVIVPVIISSSILLGLTLLISHORMKKLFWEVDVNPKNCSWAQGLNFKQRTDIL 898

```

RESULT 7  
 US-08-618-957A-9  
 ; Sequence 9, Application US/08618957A  
 ; Patent No. 6355237  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Snodgrass, H. Ralph  
 ; APPLICANT: Cioffi, Joseph  
 ; APPLICANT: Zupancic, Thomas Joel  
 ; APPLICANT: Shafer, Alan Wayne  
 ; TITLE OF INVENTION: METHODS FOR USING THE OBSE  
 ; TITLE OF INVENTION: GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
 ; TITLE OF INVENTION: DEVELOPMENT  
 ; NUMBER OF SEQUENCES: 28  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of The Americas  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10036-2811  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/618,957A  
 ; FILING DATE: 20-MAR-1996  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poissant, Brian M.  
 ; REGISTRATION NUMBER: 28,462  
 ; REFERENCE/DOCKET NUMBER: 008907-0033-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 650-493-4935  
 ; TELEFAX: 650-493-5556  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 9:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 906 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-618-957A-9  
 Query Match 95.3%; Score 4614; DB 4; Length 906;  
 Best Local Similarity 96.1%; Pred. No. 0;  
 Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;  
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 DB 1 MICGFCVLLHWIYVITAFNLSYPTTPWRFKLSQMPNNTNYPFLPAGLSKNTSNS 60  
 QY 61 NGHYTAYEPKFNSSGTHFNSLKTTHCCFRSEODRNCISLCAONIEGRFTVSNLSVF 120  
 DB 61 NGHYTAYEPKFNSSGTHFNSLKTTHCCFRSEODRNCISLCAONIEGRFTVSNLSVF 120  
 QY 121 QOIDANWNIQWLKDLKLFICYVESLFPKFLFRNRYNKHVLLYVLPVLEDSPLVPQKGS 180  
 DB 121 QOIDANWNIQWLKDLKLFICYVESLFPKFLFRNRYNKHVLLYVLPVLEDSPLVPQKGS 180  
 QY 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGVIFXSPPLMSVQPINMKVDPDP 240  
 DB 181 FQVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGVIFXSPPLMSVQPINMKVDPDP 240  
 QY 241 LGLHWEITDDGNLKIWSSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300  
 DB 241 LGLHWEITDDGNLKIWSSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300

QY 301 GSSYEVOVRGKRLDGPGLWSWSTPRVFTTODVYFPPKILTSVGSNVSFHCIIYKKNKI 360  
 DB 301 GSSYEVOVRGKRLDGPGLWSWSTPRVFTTODVYFPPKILTSVGSNVSFHCIIYKKNKI 360  
 QY 361 VPSKEIVVMWNLAEIIPQSDYDVSDHVSQVYTFNVLNETKPRGLFTYDAVYCCNEHGCHH 420  
 DB 361 VPSKEIVVMWNLAEIIPQSDYDVSDHVSQVYTFNVLNETKPRGLFTYDAVYCCNEHGCHH 420  
 QY 421 RVAGLYVINWNIINISQOTNGYLTMTCRWSTSTIOSLAESTILEYHRSLLYCSNIPSIH 480  
 DB 421 RVAGLYVINWNIINISQOTNGYLTMTCRWSTSTIOSLAESTILEYHRSLLYCSNIPSIH 480  
 QY 481 PISEPKNCYLQNGFYQCIPQIFLLSGYTMWIRNHSLGSLNSPPTCVLPDSVVKPLPP 540  
 DB 481 PISEPKNCYLQNGFYQCIPQIFLLSGYTMWIRNHSLGSLNSPPTCVLPDSVVKPLPP 540  
 QY 541 SSVKABITINIGLLKISWEKVPFENNLOFQIRTCISGKEVQWKNYEVNPKPKSVSLPV 600  
 DB 541 SSVKABITINIGLLKISWEKVPFENNLOFQIRTCISGKEVQWKNYEVNPKPKSVSLPV 600  
 QY 601 PDLCAVYAVQVRFKRLDGLGYMSNNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 660  
 DB 601 PDLCAVYAVQVRFKRLDGLGYMSNNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKKNV 660  
 QY 661 YLLWKLPMKNDLSCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720  
 DB 661 YLLWKLPMKNDLSCSVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHVTVLAINSI 720  
 QY 721 GASVANFNLTFSWPMKSNIVOSLSAYPLNSCVTVSVWILSPSDVKLMYPIIENKLNED 780  
 DB 721 GASVANFNLTFSWPMKSNIVOSLSAYPLNSCVTVSVWILSPSDVKLMYPIIENKLNED 780  
 QY 781 GEIKMLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQDDIEKHQSDA 840  
 DB 781 GEIKMLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQDDIEKHQSDA 840  
 QY 841 GLYVIVPVISSIIILGTLTISHQMKKLFWEDVNPKNCSWAQGLNFOKK 892  
 DB 841 GLYVIVPVISSIIILGTLTISHQMKKLFWEDVNPKNCSWAQGLNFOKK 892  
 RESULT 8  
 US-09-357-914-32  
 ; Sequence 32, Application US/09357914  
 ; Patent No. 6524806  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Snodgrass, H. Ralph  
 ; APPLICANT: Cioffi, Joseph  
 ; APPLICANT: Zupancic, Thomas J.  
 ; APPLICANT: Shafer, Alan Wayne  
 ; TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR HU-BL.219, A  
 ; TITLE OF INVENTION: NOVEL HUMAN HEMATOPOIETIN RECEPTOR  
 ; FILE REFERENCE: 8907-0083-999  
 ; CURRENT APPLICATION NUMBER: US/09/357,914  
 ; CURRENT FILING DATE: 1999-07-19  
 ; PRIOR APPLICATION NUMBER: US 08/693,696  
 ; PRIOR FILING DATE: 1996-08-05  
 ; PRIOR APPLICATION NUMBER: US 08/355,888  
 ; PRIOR FILING DATE: 1994-12-14  
 ; PRIOR APPLICATION NUMBER: US 08/306,231  
 ; PRIOR FILING DATE: 1994-09-14  
 ; NUMBER OF SEQ ID NOS: 33  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 32  
 ; LENGTH: 906  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-357-914-32  
 Query Match 95.3%; Score 4614; DB 4; Length 906;  
 Best Local Similarity 96.1%; Pred. No. 0;  
 Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICGFCVLLHWQFIYVITAFNLSYDITPWFKLSCHMPNNTNYFLLPAGLSKNTS 60  
Db 1 MICGFCVLLHWQFIYVITAFNLSYDITPWFKLSCHMPNNTNYFLLPAGLSKNTS 60  
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Db 61 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSLCADNIEGRFTVSTVNSLVF 120  
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Db 121 QOIDANNWICQWLKGLKLFICYVESLFCNLFNRYNFKVHLLVYLPVLEDSPLVPQKGS 180  
QY 181 FQWVHCNCSVHECCCECLVPVPTAKNLTLLMCLKITSGVIFXSPMSVQPINMVKPDPP 240  
Db 181 FQWVHCNCSVHECCCECLVPVPTAKNLTLLMCLKITSGVIFXSPMSVQPINMVKPDPP 240  
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Db 241 LGLHMEITDDGNLKISWSSPPLVFPPLQYQVKYSENSTTVIREADKIVSATSLVDSILP 300  
QY 301 GSSYEVOVRGKRLDGPINSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
Db 301 GSSYEVOVRGKRLDGPINSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
QY 361 VPSKEIWWNNLAELIPQSDVDVSDHVSQVTFNLFNLTNETKPRGLFTYDVCNNEHCCH 420  
Db 361 VPSKEIWWNNLAELIPQSDVDVSDHVSQVTFNLFNLTNETKPRGLFTYDVCNNEHCCH 420  
QY 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTTQSLAESTLELRHRSLSYCSNIPSIH 480  
Db 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTTQSLAESTLELRHRSLSYCSNIPSIH 480  
QY 481 PISEPKCYLOSGFYOCIPQIPELLSGYTWIRINHSGLASLSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKCYLOSGFYOCIPQIPELLSGYTWIRINHSGLASLSPPTCVLPDSVVKPLPP 540  
QY 541 SSVKAEITINIGLLKISWEKPVFFENNLFQOIRTLGSLGKEVQWKNYEVNPKPSVLPV 600  
Db 541 SSVKAEITINIGLLKISWEKPVFFENNLFQOIRTLGSLGKEVQWKNYEVNPKPSVLPV 600  
QY 601 PDLCAVAVQVRKRLDGLGWSWNSPAYTVWMDIKVPMRGPFVWRIINGDNTMKKEKNV 660  
Db 601 PDLCAVAVQVRKRLDGLGWSWNSPAYTVWMDIKVPMRGPFVWRIINGDNTMKKEKNV 660  
QY 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTWSENVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 661 YLLWKPLMKNDLSQVQRYVINHHTSXNGTWSENVGNHTKFTFLWTEQAHTVTVLAINSI 720  
QY 721 GASVANFNLTFSPWMSKVNIVQSLISAYPLNSCCVIVSWILSPSDVKLMYPIIEWKNLNE 780  
Db 721 GASVANFNLTFSPWMSKVNIVQSLISAYPLNSCCVIVSWILSPSDVKLMYPIIEWKNLNE 780  
QY 781 GEIKWLRISSVKYIYIHDHPIPIEKQFSIPIPIFMEGVGPKIINFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSVKYIYIHDHPIPIEKQFSIPIPIFMEGVGPKIINFTQNNIEKHQSDA 840  
QY 841 GLYIVPVIYISSILLGLTLLISHORMKFLWEDVNPKNCSWAQGLNFQK 892  
Db 841 GLYIVPVIYISSILLGLTLLISHORMKFLWEDVNPKNCSWAQGLNFQK 892

RESULT 9  
US-08-693-697-33  
; Sequence 33, Application US/08693697  
; Patent No. 5869610  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. R.  
; APPLICANT: Cioffi, Joseph  
; APPLICANT: Zupancic, Thomas J.  
; APPLICANT: Shater, Alan W.  
; TITLE OF INVENTION: HU-B1.219, A NOVEL HUMAN HEMATOPOIETIN  
; TITLE OF INVENTION: RECEPTOR

NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: FastSEQ for Windows Version 2.0b  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/693,697  
FILING DATE: 05-AUG-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-0037-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 908 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-693-697-33

Query Match 95.3%; Score 4614; DB 2; Length 908;  
Best Local Similarity 96.1%; Pred. No. 0;  
Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;  
QY 1 MICGFCVLLHWQFIYVITAFNLSYDITPWFKLSCHMPNNTNYFLLPAGLSKNTS 60  
Db 3 MICGFCVLLHWQFIYVITAFNLSYDITPWFKLSCHMPNNTNYFLLPAGLSKNTS 62  
QY 61 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSLCADNIEGRFTVSTVNSLVF 120  
Db 63 NGHETAVEPKFNSSGTHFNSLSTTTHCCFRSEODRNCSLCADNIEGRFTVSTVNSLVF 122  
QY 121 QOIDANNWICQWLKGLKLFICYVESLFCNLFNRYNFKVHLLVYLPVLEDSPLVPQKGS 180  
Db 123 QOIDANNWICQWLKGLKLFICYVESLFCNLFNRYNFKVHLLVYLPVLEDSPLVPQKGS 182  
QY 181 FQWVHCNCSVHECCCECLVPVPTAKNLTLLMCLKITSGVIFXSPMSVQPINMVKPDPP 240  
Db 183 FQWVHCNCSVHECCCECLVPVPTAKNLTLLMCLKITSGVIFXSPMSVQPINMVKPDPP 242  
QY 241 LGLHMEITDDGNLKISWSSPPLVFPPLQYQVKYSENSTTVIREADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDDGNLKISWSSPPLVFPPLQYQVKYSENSTTVIREADKIVSATSLVDSILP 302  
QY 301 GSSYEVOVRGKRLDGPINSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRGKRLDGPINSDWSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 362  
QY 361 VPSKEIWWNNLAELIPQSDVDVSDHVSQVTFNLFNLTNETKPRGLFTYDVCNNEHCCH 420  
Db 363 VPSKEIWWNNLAELIPQSDVDVSDHVSQVTFNLFNLTNETKPRGLFTYDVCNNEHCCH 422  
QY 421 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTTQSLAESTLELRHRSLSYCSNIPSIH 480  
Db 423 RYAGLYVINNVNISCOTNGYLTQWTCRWSTSTTQSLAESTLELRHRSLSYCSNIPSIH 482  
QY 481 PISEPKCYLOSGFYOCIPQIPELLSGYTWIRINHSGLASLSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKCYLOSGFYOCIPQIPELLSGYTWIRINHSGLASLSPPTCVLPDSVVKPLPP 540



Db 483 PISEPKDCYLOSDGFYECIFQPIFILLSGYTMWIRINHSLSGLSDSPPTCVLPDPSVYKPLPP 542  
 Qy 541 SSVKAEITINIGLKLISWEKVPFENNLOFQIRGLSGKEVQWKYEVTPKPKSVSLPV 600  
 Db 543 SSVKAEITINIGLKLISWEKVPFENNLOFQIRGLSGKEVQWKYEVTPKPKSVSLPV 602  
 Qy 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660  
 Db 603 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 662  
 Qy 661 YLLWKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHKTETFLWTEQAHTVTVLAINSI 720  
 Db 663 TLLWKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHKTETFLWTEQAHTVTVLAINSI 722  
 Qy 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVVKLMIPIIWKNLNED 780  
 Db 723 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVVKLMIPIIWKNLNED 782  
 Qy 781 GEIKWLRISSSVKKYIHDHFIPIEKYQFSLYPIFMGSGVGPKEIINSFTQNNIEKHQSDA 840  
 Db 783 GEIKWLRISSSVKKYIHDHFIPIEKYQFSLYPIFMGSGVGPKEIINSFTQNNIEKHQSDA 842  
 Qy 841 GLYIVPVIISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 892  
 Db 843 GLYIVPVIISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 894

RESULT 10

US-08-780-562-4  
 ; Sequence 4, Application US/08780562  
 ; Patent No. 6541604  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Matthews, William  
 ; APPLICANT: Bennett, Brian  
 ; TITLE OF INVENTION: WSX RECEPTOR  
 ; NUMBER OF SEQUENCES: 45  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd  
 ; CITY: South San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94080  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: WinPatIn (Genentech)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/780,562  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/585005  
 ; FILING DATE: 01/08/97  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 60/  
 ; FILING DATE: 01/08/97  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lee, Wendy M.  
 ; REGISTRATION NUMBER: 40,378  
 ; REFERENCE/DOCKET NUMBER: P0986R1  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415/225-1994  
 ; TELEFAX: 415/952-9881  
 ; TELEX: 910/371-7168  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 923 amino acids  
 ; TYPE: Amino Acid  
 ; TOPOLOGY: Linear  
 ; US-08-780-562-4

Query Match 95.3%; Score 4614; DB 4; Length 923;  
 Best Local Similarity 96.2%; Pred. No. 0;  
 Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;  
 Qy 1 MICGFCVLLHWQIYVITAFNLSYPITPWRFKLSCMPNPNSTNYFLLPAGLSKNTNS 60  
 Db 1 MICGFCVLLHWQIYVITAFNLSYPITPWRFKLSCMPNPNSTNYFLLPAGLSKNTNS 60  
 Qy 61 NGHETAVPEKPNSSGTHFNSLKTTHCCFRSEQDRNCCLADNIEGRTFVSTVNSLVF 120  
 Db 61 NGHETAVPEKPNSSGTHFNSLKTTHCCFRSEQDRNCCLADNIEGRTFVSTVNSLVF 120  
 Qy 121 QOIDANWNTQWLGDKLFI CYVESLFPNLPNNYKHLLYVLPVLEDSPLVPQKGS 180  
 Db 121 QOIDANWNTQWLGDKLFI CYVESLFPNLPNNYKHLLYVLPVLEDSPLVPQKGS 180  
 Qy 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLMLCKITSGGVIFXSPMSVQPINMVKPDP 240  
 Db 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLMLCKITSGGVIFXSPMSVQPINMVKPDP 240  
 Qy 241 LGLHMEITDDGNLKIWSGSPPLVPFPLOYQVKYSENSTTVIREADKIYSATSLVDSILP 300  
 Db 241 LGLHMEITDDGNLKIWSGSPPLVPFPLOYQVKYSENSTTVIREADKIYSATSLVDSILP 300  
 Qy 301 GSSYEVQVRKELDGPGLWSWSTPRVFTQDVYFPKILTSVGSNVSFHCYKKNKI 360  
 Db 301 GSSYEVQVRKELDGPGLWSWSTPRVFTQDVYFPKILTSVGSNVSFHCYKKNKI 360  
 Qy 361 VPSKEIVVMWNLAEIIPQSDYDWSHDVSKVTFFNLNETKPRGLFTYDAVYCCNEHCHH 420  
 Db 361 VPSKEIVVMWNLAEIIPQSDYDWSHDVSKVTFFNLNETKPRGLFTYDAVYCCNEHCHH 420  
 Qy 421 RYAGLVNININISQOTNGYLTQTKTCSWSTSTIOSLAESTLELYHRSSLYCNSIPSIH 480  
 Db 421 RYAGLVNININISQOTNGYLTQTKTCSWSTSTIOSLAESTLELYHRSSLYCNSIPSIH 480  
 Qy 481 PISEPKDCYLOSDGFYECIFQPIFILLSGYTMWIRINHSLSGLSDSPPTCVLPDPSVYKPLPP 540  
 Db 481 PISEPKDCYLOSDGFYECIFQPIFILLSGYTMWIRINHSLSGLSDSPPTCVLPDPSVYKPLPP 540  
 Qy 541 SSVKAEITINIGLKLISWEKVPFENNLOFQIRGLSGKEVQWKYEVTPKPKSVSLPV 600  
 Db 541 SSVKAEITINIGLKLISWEKVPFENNLOFQIRGLSGKEVQWKYEVTPKPKSVSLPV 600  
 Qy 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660  
 Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRINGDTMKKEKNV 660  
 Qy 661 YLLWKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHKTETFLWTEQAHTVTVLAINSI 720  
 Db 661 YLLWKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHKTETFLWTEQAHTVTVLAINSI 720  
 Qy 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVVKLMIPIIWKNLNED 780  
 Db 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVVKLMIPIIWKNLNED 780  
 Qy 781 GEIKWLRISSSVKKYIHDHFIPIEKYQFSLYPIFMGSGVGPKEIINSFTQNNIEKHQSDA 840  
 Db 781 GEIKWLRISSSVKKYIHDHFIPIEKYQFSLYPIFMGSGVGPKEIINSFTQNNIEKHQSDA 840  
 Qy 841 GLYIVPVIISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 891  
 Db 841 GLYIVPVIISSILLGLTLLISHQMKKLPWEDVNPKNCSWAQGLNFQK 891

RESULT 11

US-08-599-455B-4  
 ; Sequence 4, Application US/08599455B  
 ; Patent No. 5972621  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culpepper, Janice A.



TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
MODULATE BODY WEIGHT USING THE OB RECEPTOR

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: US

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/599,455B.

FILING DATE: 22-JAN-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/583,153

FILING DATE: 28-DEC-1995

APPLICATION NUMBER: 08/570,142

FILING DATE: 11-DEC-1995

APPLICATION NUMBER: 08/569,485

FILING DATE: 08-DEC-1995

APPLICATION NUMBER: 08/566,622

FILING DATE: 04-DEC-1995

APPLICATION NUMBER: 08/562,663

FILING DATE: 27-NOV-1995

ATTORNEY/AGENT INFORMATION:

NAME: Meiklejohn, Ph.D., Anita L.

REGISTRATION NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 07334/017001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-542-5070

TELEFAX: 617-542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1165 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: protein

FRAGMENT TYPE: internal

US-08-599-455B-4

Query Match 95.3%; Score 4614; DB 2; Length 1165;

Best Local Similarity 96.2%; Pred. No. 0;

Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHWQFIYVITAFNLSPYITPWRFKLSCMPNSTNYFLLPAGLSKNTNS 60

Db 1 MICGFCVLLHWQFIYVITAFNLSPYITPWRFKLSCMPNSTNYFLLPAGLSKNTNS 60

Qy 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 120

Db 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 120

Qy 121 QOIDANWNIQWLKGLDLCFICVYESLPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

Db 121 QOIDANWNIQWLKGLDLCFICVYESLPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

Qy 181 FQWVHCNCSVHECECLVPVPTAKLNTLLMCLKITSGGVIEXSPMSVOPINNVKPDPP 240

Db 181 FQWVHCNCSVHECECLVPVPTAKLNTLLMCLKITSGGVIEXSPMSVOPINNVKPDPP 240

Qy 241 LGLHMETDDGNLKIWNSSPPLVPFPLQYQVKSSENSTTVIRBADKIVSATSLLVDSILP 300

Db 241 LGLHMETDDGNLKIWNSSPPLVPFPLQYQVKSSENSTTVIRBADKIVSATSLLVDSILP 300

Qy 301 GSSYEVOVRKRLDGPGLWSDWSTPRVFTTQDVIYFPFKILTSGVNSVSHCIYKKNKI 360

Db 301 GSSYEVOVRKRLDGPGLWSDWSTPRVFTTQDVIYFPFKILTSGVNSVSHCIYKKNKI 360

Qy 361 VPSKEIVWMHNLAEILIPOSDYDVSDHYSKYVTFNNLNETKRGLEYDAVYCCNEHGCHH 420

Db 361 VPSKEIVWMHNLAEILIPOSDYDVSDHYSKYVTFNNLNETKRGLEYDAVYCCNEHGCHH 420

Qy 421 RYAGLYVINNVNINISCTQNGYLTMTCTWSTSTIQSLAESTLELRYHRSSLYCSNIPSIH 480

Db 421 RYAGLYVINNVNINISCTQNGYLTMTCTWSTSTIQSLAESTLELRYHRSSLYCSNIPSIH 480

Qy 481 PISEBKNCYLOSGFYQCIPOPIFLLSGYTMWIRNHSLSGNSLSPPTCVLPDSVVKPLPP 540

Db 481 PISEBKNCYLOSGFYQCIPOPIFLLSGYTMWIRNHSLSGNSLSPPTCVLPDSVVKPLPP 540

Qy 541 SSVKAEIITINIGLLKISWEKVPFPENNLOFQIRCTGLSGKEVQWKNYEVNTNPKPKSVSLPV 600

Db 541 SSVKAEIITINIGLLKISWEKVPFPENNLOFQIRCTGLSGKEVQWKNYEVNTNPKPKSVSLPV 600

Qy 601 PDLCAVYAVQVRKLDGLGYSWNSNPAIYVVMNDIKVPMRGPEFWIRINGDTMKKEKNV 660

Db 601 PDLCAVYAVQVRKLDGLGYSWNSNPAIYVVMNDIKVPMRGPEFWIRINGDTMKKEKNV 660

Qy 661 YLLMKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLTEQAHVTVLAINSI 720

Db 661 YLLMKPLMKNDLSLCSVQRYVINHTSXNGTWSNVGNHTKFTFLTEQAHVTVLAINSI 720

Qy 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMPPIEWKLNLED 780

Db 721 GASVANFNLTFSWPMKKNIVQSLSAYPLNSSCVIVSWILSPSDVKLMPPIEWKLNLED 780

Qy 781 GEIKMLRISSSVKYIYHDPFPIEKYQFSLYPIFMEGVGKPKIINSTQNNIEKHQSDA 840

Db 781 GEIKMLRISSSVKYIYHDPFPIEKYQFSLYPIFMEGVGKPKIINSTQNNIEKHQSDA 840

Qy 841 GLYVIVPVISSILLGLTLISHQRMKLFWEDEVNPNKNCWAQGLNFQK 891

Db 841 GLYVIVPVISSILLGLTLISHQRMKLFWEDEVNPNKNCWAQGLNFQK 891

#### RESULT 12

US-09-093-814-1

; Sequence 1, Application US/09093814

; Patent No. 6270981

; GENERAL INFORMATION:

; APPLICANT: Carpenter et al.

; TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING AGENTS

; FILE REFERENCE: REG 580-A

; CURRENT APPLICATION NUMBER: US/09/093,814

; CURRENT FILING DATE: 1998-06-09

; PRIOR APPLICATION NUMBER: 60/049,108

; PRIOR FILING DATE: 1997-06-09

; NUMBER OF SEQ ID NOS: 1

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1

; LENGTH: 1165

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-093-814-1

Query Match 95.3%; Score 4614; DB 3; Length 1165;

Best Local Similarity 96.2%; Pred. No. 0;

Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHWQFIYVITAFNLSPYITPWRFKLSCMPNSTNYFLLPAGLSKNTNS 60

Db 1 MICGFCVLLHWQFIYVITAFNLSPYITPWRFKLSCMPNSTNYFLLPAGLSKNTNS 60

Qy 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 120

Db 61 NGHYETAPEKFNSSGTHFNSLSTTHCCFRSEQRNCSLCADNIEGRTFVSTVNSLVF 120

Qy 121 QOIDANWNIQWLKGLDLCFICVYESLPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

Db 121 QOIDANWNIQWLKGLDLCFICVYESLPKLFNRYNRYKVLHLLVLPVLEDSPLVPQKS 180

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QY 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCKITSGVLFXSPLMSVQPINWVKDPP 240
DB 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCKITSGVLFXSPLMSVQPINWVKDPP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
QY 301 GSSYEVQVRGKELDQPGTWSWSPTRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVQVRGKELDQPGTWSWSPTRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
DB 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
QY 421 RYAGLYVINVINISCTQNGYLTQMTCTWSTSTQSLAESTLQRYHRSSLYCSNIPSIH 480
DB 421 RYAGLYVINVINISCTQNGYLTQMTCTWSTSTQSLAESTLQRYHRSSLYCSNIPSIH 480
QY 481 PISEPKNCYLOSNGFYQICIPQIFILSGYTWIRINSLGSLNSPPTCVLPDSVVKPLPP 540
DB 481 PISEPKNCYLOSNGFYQICIPQIFILSGYTWIRINSLGSLNSPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRTLGSGKEYQWQXVEYTPKPSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRTLGSGKEYQWQXVEYTPKPSVSLPV 600
QY 601 PDLCAVAVQVRKELDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRKELDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 YLLMKPLMKNDSLCSQVRYVINHTSXNGTWSVNGVNHKTFTFLWTCQHTVTVLAINSI 720
DB 661 YLLMKPLMKNDSLCSQVRYVINHTSXNGTWSVNGVNHKTFTFLWTCQHTVTVLAINSI 720
QY 721 GASVANFNLTFSWPMKNVIVQSLSAYPLNSCIVSWILSPSDVKMLPIIIEWKNLNE 780
DB 721 GASVANFNLTFSWPMKNVIVQSLSAYPLNSCIVSWILSPSDVKMLPIIIEWKNLNE 780
QY 781 GEIKWLRISSVKKYIHDHPIEKYQFSLYPIFMGCVGKPKLINSFTQNNIEKHQSDA 840
DB 781 GEIKWLRISSVKKYIHDHPIEKYQFSLYPIFMGCVGKPKLINSFTQNNIEKHQSDA 840
QY 841 GLYVIVPVISSILLGLTLISHQRMKGLFWEDVPNPKNCWSAQGLNFQK 891
DB 841 GLYVIVPVISSILLGLTLISHQRMKGLFWEDVPNPKNCWSAQGLNFQK 891

RESULT 13
US-09-069-781B-4
; Sequence 4, Application US/09069781B
; Patent No. 6287782
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible

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; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,781B
; FILING DATE: 29-APRIL-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: US 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: US 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: US 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: US 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: US 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: US 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: US 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: US 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meikiejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-09-069-781B-4

Query Match 95.3%; Score 4614; DB 3; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGFCVLLHWQIYIVITAFNLSPYTPWRFKLSCHPNSSTNYFLLPAGLSKNTSNS 60
DB 1 MICGFCVLLHWQIYIVITAFNLSPYTPWRFKLSCHPNSSTNYFLLPAGLSKNTSNS 60
QY 61 NGHYETAPEPKENSSGTHFSNLKTTFFCCPSEODRNCSLCADNIEGRTFVSTVNSLVF 120
DB 61 NGHYETAPEPKENSSGTHFSNLKTTFFCCPSEODRNCSLCADNIEGRTFVSTVNSLVF 120
QY 121 QQIDANWNIQCWLKGLDLKLFICYVESLFGKLPFRNYYKVHLLIYLVPEVLESPLVPQKGS 180
DB 121 QQIDANWNIQCWLKGLDLKLFICYVESLFGKLPFRNYYKVHLLIYLVPEVLESPLVPQKGS 180
QY 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCKITSGVIFXSPLMSVQPINWVKDPP 240
DB 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCKITSGVIFXSPLMSVQPINWVKDPP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
QY 301 GSSYEVQVRGKELDQPGTWSWSPTRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
DB 301 GSSYEVQVRGKELDQPGTWSWSPTRVFTTQDVYFPPKILTSVGSNVSFHCIIYKKNKI 360
QY 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420
DB 361 VPSKEIIVMWHNLAEKIPQSDVDVSDHVSQVTFNFKLNETKPRGLFTYDAVYCCNEHCCH 420

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RESULT 15  
 US-09-137-132-4  
 ; Sequence 4, Application US/09137132  
 ; Patent No. 6380363  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culpepper, Janice A.  
 ; APPLICANT: White, David W.  
 ; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 ; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
 ; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
 ; NUMBER OF SEQUENCES: 50  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: US  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows95  
 ; SOFTWARE: Fast-SEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/137,132  
 ; FILING DATE: 18-AUG-1998  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/864,564  
 ; FILING DATE: 28-MAY-1997  
 ; APPLICATION NUMBER: 08/708,123  
 ; FILING DATE: 03-SEP-1996  
 ; APPLICATION NUMBER: 08/638,524  
 ; FILING DATE: 26-APR-1996  
 ; APPLICATION NUMBER: 08/599,455  
 ; FILING DATE: 22-JAN-1996  
 ; APPLICATION NUMBER: 08/583,153  
 ; FILING DATE: 28-DEC-1995  
 ; APPLICATION NUMBER: 08/570,142  
 ; FILING DATE: 11-DEC-1995  
 ; APPLICATION NUMBER: 08/569,485  
 ; FILING DATE: 08-DEC-1995  
 ; APPLICATION NUMBER: 08/566,622  
 ; FILING DATE: 04-DEC-1995  
 ; APPLICATION NUMBER: 08/562,663  
 ; FILING DATE: 27-NOV-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Meiklejohn, Ph.D., Anita L.  
 ; REGISTRATION NUMBER: 35,283  
 ; REFERENCE/DOCKET NUMBER: 07334/019004  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 617-542-5070  
 ; TELEFAX: 617-542-8906  
 ; TELEX: 200154  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1165 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 ; FRAGMENT TYPE: internal  
 ; US-09-137-132-4

Query Match 95.3%; Score 4614; DB 4; Length 1165;  
 Best Local Similarity 96.2%; Pred. No. 0;  
 Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

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 QY 121 QOIDANWNIQCLWGLDKLFCYVESLFPKLNPRNYKVHLLYVLPEVLESPLVPQKGS 180  
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 QY 181 FQVHCNCSVHCCCLVPPVPTAKLNDTLLMCLKITSGGVIFKXSPMSVQIPMVKPDP 240  
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 DB 241 LGLHWEITDDGNLKI:SWSSPPLVPFPLOQVQKYSNSTTVIREADKIYSATSLVDSILP 300  
 QY 301 GSSYEYQVRGKLDGPGIWSMDSTPRVFTTQDVYFPPPKILTSGVSNVSFHCYKKNKI 360  
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 QY 361 VPSKEIYVWHNLAEILIPQSDYDVSDHVKVTFNNLNETKRGLETYDAVYCCNEHCHH 420  
 DB 361 VPSKEIYVWHNLAEILIPQSDYDVSDHVKVTFNNLNETKRGLETYDAVYCCNEHCHH 420  
 QY 421 RVAGLYVINVNINISQINGYLTKMTCRWSTSTIQSLAESTLELRYHRSLLYCSNIPSIH 480  
 DB 421 RVAGLYVINVNINISQINGYLTKMTCRWSTSTIQSLAESTLELRYHRSLLYCSNIPSIH 480  
 QY 481 PISEPKNCYLQNGFYQIQIPQIFLLSGYTWIRINHSLGSLNSPPTCVLPDSVVKPLPP 540  
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 DB 601 PDLCAVYAVQVRKLDGLGYWSNWSNPAYTVVMDIKVPMERGPEFWRIINGDTMKKEKV 660  
 QY 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSENVGNHTKFTLWTEQAHVTVLAINSI 720  
 DB 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSENVGNHTKFTLWTEQAHVTVLAINSI 720  
 QY 721 GASVANFNLTFSWPMKSVNIQSLSAYPLNSCVIVSWILSPSDVKLMYPIIEMKNLNE 780  
 DB 721 GASVANFNLTFSWPMKSVNIQSLSAYPLNSCVIVSWILSPSDVKLMYPIIEMKNLNE 780  
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 DB 841 GLYVIVPVISSILLGLTLLISHQRMKKLFWEDVNPKNCSWAQGLNFQK 891

Search completed: August 11, 2004, 16:38:41  
 Job time : 30 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: August 11, 2004, 16:37:19 ; Search time 56 seconds  
(without alignments)  
5022.834 Million cell updates/sec

Title: US-10-014-156-13

Perfect score: 4840

Sequence:

1 MICCKFCVLLHQFIYVIT.....NPKNCWAQGLNFKQRTNLL 896

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1292805 seqs, 31327144 residues

Total number of hits satisfying chosen parameters: 1292805

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
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- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4633	95.7	896	8	US-08-779-457-3
2	4633	95.7	896	14	US-10-214-802-3
3	4633	95.7	896	16	US-10-373-624A-2
4	4631	95.7	896	13	US-10-095-929-10
5	4618	95.4	898	14	US-10-245-616-3
6	4614	95.3	906	13	US-10-095-929-9
7	4614	95.3	923	8	US-08-779-457-4
8	4614	95.3	923	14	US-10-214-802-4
9	4614	95.3	1165	8	US-08-779-457-2
10	4614	95.3	1165	12	US-09-894-039-1
11	4614	95.3	1165	13	US-10-095-929-11
12	4614	95.3	1165	14	US-10-214-802-2
13	4614	95.3	1165	14	US-10-226-579-4
14	4612	95.3	958	13	US-10-095-929-8
15	4607	95.2	960	13	US-10-095-929-3

16	4600	95.0	1165	13	US-10-079-625-4
17	4503.5	93.0	916	16	US-10-373-624A-4
18	4503.5	93.0	1161	16	US-10-373-624A-8
19	4503.5	93.0	1234	16	US-10-373-624A-6
20	4135	85.4	804	10	US-09-116-676-10
21	3660	75.6	894	13	US-10-095-929-12
22	3653	75.5	894	8	US-08-779-457-51
23	3653	75.5	894	13	US-10-079-625-2
24	3639	75.2	1162	13	US-10-079-625-43
25	3633	75.1	1162	14	US-10-226-579-2
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27	3018	62.4	783	14	US-10-214-802-7
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29	369	7.6	1158	14	US-10-287-035-26
30	369	7.6	1158	14	US-10-282-162-26
31	361	7.5	1168	9	US-09-935-868-24
32	361	7.5	1168	14	US-10-287-035-24
33	361	7.5	1168	14	US-10-282-162-24
34	307	6.3	708	14	US-10-313-135-2
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36	307	6.3	918	12	US-10-058-270A-32
37	307	6.3	918	12	US-09-853-180-4
38	307	6.3	918	14	US-10-177-293-230
39	307	6.3	918	15	US-10-295-027-74
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44	295.5	6.1	859	14	US-10-287-035-7
45	295.5	6.1	859	14	US-10-282-162-7

## ALIGNMENTS

### RESULT 1

US-08-779-457-3  
; Sequence 3, Application US/08779457  
; Publication NO. US20020193571A1  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Chiang, Nancy Y.  
; APPLICANT: Kyung, Jin Kim  
; APPLICANT: Matthews, William  
; APPLICANT: Rodrigues, Maria L.  
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatIn (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/779,457  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/667197  
; FILING DATE: 06/20/96  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/585005  
; FILING DATE: 01/08/96  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 40,378  
; REFERENCE/DOCKET NUMBER: P0986P2

Sequence 4, Appli  
Sequence 4, Appli  
Sequence 8, Appli  
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Sequence 10, Appli  
Sequence 12, Appli  
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Sequence 2, Appli  
Sequence 43, Appli  
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Sequence 2, Appli  
Sequence 8, Appli  
Sequence 32, Appli  
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Sequence 230, App  
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Sequence 5, Appli  
Sequence 12, Appli  
Sequence 7, Appli  
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Sequence 7, Appli

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-3

Query Match 95.7%; Score 4633; DB 8; Length 896;
Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

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DB 61 NGHETAVEPKFNSGTHFNSLSTTFFHCCPRSEODRNCSLCADNIEGRTFVTSVLVF 120
QY 121 QOIDANWNIQWLKGDGLKLFICYVESLFPKFLFRNYNFKVHLLYVLPVLEDSPLVPQKGS 180
DB 121 QOIDANWNIQWLKGDGLKLFICYVESLFPKFLFRNYNFKVHLLYVLPVLEDSPLVPQKGS 180
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DB 181 FQWVHCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGGVIFQSPFMSVQPINNVKPDPP 240
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DB 241 LGLHMEITDDGNLKIWSVSPPLVPFPQVQKYSNTTIVIREADKIVSATSLLVDSILP 300

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-10-214-802-3

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Best Local Similarity 96.1%; Pred. No. 0;
Matches 861; Conservative 17; Mismatches 18; Indels 0; Gaps 0;

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DB 241 LGLHMEITDDGNLKIWSVSPPLVPFPQVQKYSNTTIVIREADKIVSATSLLVDSILP 300

; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/S85005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/
; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
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US-10-214-802-3

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Db 361 VPSKEIWMHNLAEILIPQSQYDVVSDHVSQVTFNLAETKPRGRFTYDAVYCCNEHCHH 420  
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; Publication No. US20040132093A1  
; GENERAL INFORMATION:  
; APPLICANT: JOCKERS, Ralf  
; APPLICANT: COUTURIER, Cyril  
; TITLE OF INVENTION: METHOD FOR DETECTING LEPTIN LIGANDS  
; FILE REFERENCE: FRV2002/0002US NP  
; CURRENT APPLICATION NUMBER: US/10/373.624A  
; PRIOR FILING DATE: 2003-02-25  
; PRIOR APPLICATION NUMBER: FR0202431  
; PRIOR FILING DATE: 2002-02-26  
; NUMBER OF SEQ ID NOS: 8  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 2  
; LENGTH: 896  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-10-373-624A-2

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Best Local Similarity 96.18; Pred. No. 0;  
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Db 361 VPSKEIWMHNLAEILIPQSQYDVVSDHVSQVTFNLAETKPRGRFTYDAVYCCNEHCHH 420  
Qy 421 RVAGLYVINVNINISCTGNGYLTQWTCRWSTSTQSLAESTLELRYHRSLSYCSNIPSIH 480  
Db 421 RVAGLYVINVNINISCTGNGYLTQWTCRWSTSTQSLAESTLQRYHRSLSYCSNIPSIH 480  
Qy 481 PISEPKCYLQSGFYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKCYLQSGFYQCIPOPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWQVYVTPKPKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWQVYVTPKPKSVSLPV 600  
Qy 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Qy 661 YLLWKPMLKNDLSQVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 661 TLLWKPMLKNDLSQVQRYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Qy 721 GASVANFNLTFSWPMKSNIVQSLAYPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780  
Db 721 GASVANFNLTFSWPMKSNIVQSLAYPLNSSCVIVSWILSPSDVKLWYPIIEWKNLNE 780  
Qy 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Qy 841 GLYVIVPVIISSSILLGLTLISHORMKCLFWEDVPNPKNSWAQGLNFQKRTNIL 896  
Db 841 GLYVIVPVIISSSILLGLTLISHORMKCLFWEDVPNPKNSWAQGLNFQKRTDIL 896

RESULT 4  
US-10-095-929-10  
; Sequence 10, Application US/10095929  
; Publication No. US20020197232A1  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. Ralph  
; Cioffi, Joseph  
; Zupancic, Thomas Joel  
; Shafer, Alan Wayne  
; TITLE OF INVENTION: METHODS FOR USING THE OBSE  
; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
; DEVELOPMENT  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of The Americas  
; CITY: New York



STATE: NY  
COUNTRY: USA  
ZIP: 10036-2811  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/095,929  
FILING DATE: 12-Mar-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/618,957  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 008907-0033-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 896 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
US-10-095-929-10

Query Match 95.7%; Score 4631; DB 13; Length 896;  
Best Local Similarity 96.1%; Pred. No. 0;  
Matches 861; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQIYVITAFNLSYPIPTPRFKLSQMPNNTNYFLLPAGLSKNTSNS 60  
DB 1 MICQKFCVLLHWIYVITAFNLSYPIPTPRFKLSQMPNNTYDYFLLPAGLSKNTSNS 60  
QY 61 NGHYTEAVEPKFNSGTHFNSLKTTHCCPRSDRNCSLCADNIEGRFTVSVNSLVP 120  
DB 61 NGHYTEAVEPKFNSGTHFNSLKTTHCCPRSDRNCSLCADNIEGRFTVSVNSLVP 120  
QY 121 QOIDANWNIQWLKGLDLFCYVESLFKNLFRNRYKVHLLYVLPEVLEDSPLVPQKGS 180  
DB 121 QOIDANWNIQWLKGLDLFCYVESLFKNLFRNRYKVHLLYVLPEVLEDSPLVPQKGS 180  
QY 181 FQVHCNCSVHECCCLVPVFTAKLNDTLMLCKLITSGVIFRSPMSVQPINNVKDPDP 240  
DB 181 FQVHCNCSVHECCCLVPVFTAKLNDTLMLCKLITSGVIFRSPMSVQPINNVKDPDP 240  
QY 241 LGLHWEITDDGNLKTSSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLLVDLSILP 300  
DB 241 LGLHWEITDDGNLKTSSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLLVDLSILP 300  
QY 301 GSSYEVOVRGKELDGPFGIWSMDSTPRVFTTQDVYFPPKILTSVGSNVSPHICYKENKI 360  
DB 301 GSSYEVOVRGKELDGPFGIWSMDSTPRVFTTQDVYFPPKILTSVGSNVSPHICYKENKI 360  
QY 361 VPSKEIVWNNLAELIPQSDYDVSDHVSQVYTFENLNETKRGFTYDVAVCCNEHGGCH 420  
DB 361 VPSKEIVWNNLAELIPQSDYDVSDHVSQVYTFENLNETKRGFTYDVAVCCNEHGGCH 420  
QY 421 RVAGLYVNVNINISQNGYLTMTKRWSTSTIQSLAESTLELRYSRLSYCNSIPSIH 480  
DB 421 RVAGLYVNVNINISQNGYLTMTKRWSTSTIQSLAESTLELRYSRLSYCNSIPSIH 480  
QY 481 PISEPANCYQSGNGYQICIPQIFLLSGYTWIRNHSLSGNSPPTCVLPDSVVKPLPP 540  
DB 481 PISEPANCYQSGNGYQICIPQIFLLSGYTWIRNHSLSGNSPPTCVLPDSVVKPLPP 540

541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRTLGSGKEVQWKMVEYTNPKSVSLPV 600  
DB 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKMVEYDYDAKSXSVSLPV 600  
QY 601 PDLCAVYAVQVRFKELDGLGYWSNMSNPAYTVMDIKVPMRGPEFWRINGDTMKKERNV 660  
DB 601 PDLCAVYAVQVRFKELDGLGYWSNMSNPAYTVMDIKVPMRGPEFWRINGDTMKKERNV 660  
QY 661 YLLWPLMKDLSLCSVQRYVINHH"SXNGTWSENVGNHKTETELWTEQAHVTVVLAINSI 720  
DB 661 TLLWPLMKDLSLCSVQRYVINHH"SCNGTWSENVGNHKTETELWTEQAHVTVVLAINSI 720  
QY 721 GASVANFNLTFSWPMKSNIVQSLGAYPLNSCVIVSWILSPSDVKLMYPIIEMKNLNE 780  
DB 721 GASVANFNLTFSWPMKSNIVQSLGAYPLNSCVIVSWILSPSDVKLMYPIIEMKNLNE 780  
QY 781 GEIKMLRISSSVKYIYHDFPIEKYQFSLYPIFMEGVGPKIINSTONNIEKHQSDA 840  
DB 781 GEIKMLRISSSVKYIYHDFPIEKYQFSLYPIFMEGVGPKIINSTODDIEKHQSDA 840  
QY 841 GLWVIVPVISSILLGLTLLISHQRMKKLFWEDVNPKNCSWAQCLNFQKRTNLL 896  
DB 841 GLWVIVPVISSILLGLTLLISHQRMKKLFWEDVNPKNCSWAQCLNFQKRTDIL 896

RESULT 5  
US-10-245-616-3  
Sequence 3, Application US/10245616  
Publication No. US20030062612A1  
GENERAL INFORMATION:  
APPLICANT: Snodgrass, H.  
Cioffi, Joseph  
Zupancic, Thomas  
Shafer, Alan  
TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR VARIANT  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESS: Pennie & Edmonds  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: US  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/245,616  
FILING DATE: 17-Sep-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/588,189  
FILING DATE: 18-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-101  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 790-9090  
TELEFAX: (212) 869-9741  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 898 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-10-245-616-3

Query Match 95.4%; Score 4618; DB 14; Length 898;  
Best Local Similarity 95.9%; Pred. No. 0;  
Matches 859; Conservative 16; Mismatches 21; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHQFIYVITAFNLSPYITPWRKFLSCMPNNTNYFLLPAGLSKNTS 60  
Db 3 MICGFCVLLHQFIYVITAFNLSPYITPWRKFLSCMPNNTNYFLLPAGLSKNTS 62  
Qy 61 NGHETAVEPKFNSSGTHFNLKATFHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120  
Db 63 NGHETAVEPKFNSSGTHFNLKATFHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 122  
Qy 121 QOIDANWNIQCNLKGDLKLFICYVESLFCNLFNRYNKHLLVYLPEVLEDSPLVPQKS 180  
Db 123 QOIDANWNIQCNLKGDLKLFICYVESLFCNLFNRYNKHLLVYLPEVLEDSPLVPQKS 182  
Qy 181 FQVHNCVSHCECECLVPVPTAKLNDTLMLCLKITSGGVI FXSPLMSVQPINMVKPDP 240  
Db 183 FQVHNCVSHCECECLVPVPTAKLNDTLMLCLKITSGGVI FXSPLMSVQPINMVKPDP 242  
Qy 241 LGLHMEITDGNLKI SWSSPLVPFPLOYQVKYSENSTTVIRADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDGNLKI SWSSPLVPFPLOYQVKYSENSTTVIRADKIVSATSLVDSILP 302  
Qy 301 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 362  
Qy 361 VPSKEI VWNHNLAE LIPQSQYDVVDVSHVSKVTFFNLNETKPRGLFTYDVCNEHCCH 420  
Db 363 VPSKEI VWNHNLAE LIPQSQYDVVDVSHVSKVTFFNLNETKPRGLFTYDVCNEHCCH 422  
Qy 421 RYAGLYVINVNINISCTGVLTCWTCRWSSTTQSLAESTLELRHRSLSYCSNIPSIH 480  
Db 423 RYAGLYVINVNINISCTGVLTCWTCRWSSTTQSLAESTLELRHRSLSYCSNIPSIH 482  
Qy 481 PISEPKCYLQSGFYOCIPQIFELLSGYTWIRINHSGLSLSNPPCTCVLPDSVVKPLPP 540  
Db 483 PISEPKCYLQSGFYOCIPQIFELLSGYTWIRINHSGLSLSNPPCTCVLPDSVVKPLPP 542  
Qy 541 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKNYEVTPKPKSVSLPV 600  
Db 543 SSVKAEITINIGLLKISWEKVPFENNLOFQIRGLSGKEVQWKNYEVTPKPKSVSLPV 602  
Qy 601 PDLCAVAVOVRKRLDGLGYWSNPNPAYTVVMDIKVPMRGPFEMRIINGDTMKKEKNV 660  
Db 603 PDLCAVAVOVRKRLDGLGYWSNPNPAYTVVMDIKVPMRGPFEMRIINGDTMKKEKNV 662  
Qy 661 YLLWKPLMKNDLSLCSVORYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720  
Db 663 YLLWKPLMKNDLSLCSVORYVINHHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 722  
Qy 721 GASVANFNLTFSWPMKKNIVQSL:SAVPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780  
Db 723 GASVANFNLTFSWPMKKNIVQSL:SAVPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 782  
Qy 781 GEIKWLRISSVKXYIHDHPIEPIEKYQFSLYPIFMEGVGKPKI:INSFTQNNIEKHQSDA 840  
Db 783 GEIKWLRISSVKXYIHDHPIEPIEKYQFSLYPIFMEGVGKPKI:INSFTQNNIEKHQSDA 842  
Qy 841 GLYIVTPVILSSSILLGLTLLISHQMKLFWEDVNPKNCSWAQGLNFQKRTNIL 896  
Db 843 GLYIVTPVILSSSILLGLTLLISHQMKLFWEDVNPKNCSWAQGLNFQKRTNIL 898

RESULT 6  
US-10-095-929-9  
; Sequence 9, Application US/10095929  
; Publication No. US20020197232A1  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. Ralph  
; Clotfi, Joseph  
; Zupancic, Thomas Joel

Shafer, Alan Wayne  
TITLE OF INVENTION: METHODS FOR USING THE OBESSE  
GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
DEVELOPMENT  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of The Americas  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10036-2811  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/095,929  
FILING DATE: 12-Mar-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/618,957  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Poissant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 008907-0033-999  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-493-4935  
TELEFAX: 650-493-5556  
TELEX: 66141 PENNIE  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 906 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
US-10-095-929-9

Query Match 95.3%; Score 4614; DB 13; Length 906;  
Best Local Similarity 96.1%; Pred. No. 0;  
Matches 857; Conservative 16; Mismatches 19; Indels 0; Gaps 0;

Qy 1 MICGFCVLLHQFIYVITAFNLSPYITPWRKFLSCMPNNTNYFLLPAGLSKNTS 60  
Db 1 MICGFCVLLHQFIYVITAFNLSPYITPWRKFLSCMPNNTNYFLLPAGLSKNTS 60  
Qy 61 NGHETAVEPKFNSSGTHFNLKATFHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120  
Db 63 NGHETAVEPKFNSSGTHFNLKATFHCCFRSEODRNCSCADNIEGRTFVSTVNSLVF 120  
Qy 121 QOIDANWNIQCNLKGDLKLFICYVESLFCNLFNRYNKHLLVYLPEVLEDSPLVPQKS 180  
Db 123 QOIDANWNIQCNLKGDLKLFICYVESLFCNLFNRYNKHLLVYLPEVLEDSPLVPQKS 180  
Qy 181 FQVHNCVSHCECECLVPVPTAKLNDTLMLCLKITSGGVI FXSPLMSVQPINMVKPDP 240  
Db 183 FQVHNCVSHCECECLVPVPTAKLNDTLMLCLKITSGGVI FXSPLMSVQPINMVKPDP 240  
Qy 241 LGLHMEITDGNLKI SWSSPLVPFPLOYQVKYSENSTTVIRADKIVSATSLVDSILP 300  
Db 243 LGLHMEITDGNLKI SWSSPLVPFPLOYQVKYSENSTTVIRADKIVSATSLVDSILP 300  
Qy 301 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
Db 303 GSSYEVOVRGKLDGPGIWSDMSTPRVFTTQDVIFPPKILTSVGSNVSFHCYKKNKI 360  
Qy 361 VPSKEI VWNHNLAE LIPQSQYDVVDVSHVSKVTFFNLNETKPRGLFTYDVCNEHCCH 420  
Db 363 VPSKEI VWNHNLAE LIPQSQYDVVDVSHVSKVTFFNLNETKPRGLFTYDVCNEHCCH 420

421 RVAGLVINVININISCTQNGYLTCTKTCWSTSTIOSLAESTLELRHYRSLSCYNIPSIH 480  
 421 RVAGLVINVININISCTQNGYLTCTKTCWSTSTIOSLAESTLELRHYRSLSCYNIPSIH 480  
 481 PISEPKNCVLOSNGFYQICIPQIFILLSGYTWIRINHSGLSNGSPPTCVLPDSVVKPLPP 540  
 481 PISEPKNCVLOSNGFYQICIPQIFILLSGYTWIRINHSGLSNGSPPTCVLPDSVVKPLPP 540  
 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
 601 PDLCAVAVQVRFKELDGLGYWNSNPNAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660  
 601 PDLCAVAVQVRFKELDGLGYWNSNPNAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660  
 661 YLLKPLMKNDLSQVQRYVNHHTSXNGTWSNVGNHKTETFLWTQOAHVTVLAINSI 720  
 661 YLLKPLMKNDLSQVQRYVNHHTSXNGTWSNVGNHKTETFLWTQOAHVTVLAINSI 720  
 721 GASVANFNLTFSWPMKSNKNIQVSLSAFPLNSSCVIVSWILSPSDVKLMIPIEWNKLNED 780  
 721 GASVANFNLTFSWPMKSNKNIQVSLSAFPLNSSCVIVSWILSPSDVKLMIPIEWNKLNED 780  
 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGPKPIINSFTQNNIEKHQSDA 840  
 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGPKPIINSFTQNNIEKHQSDA 840  
 841 GLYVIVPVISSSILLGLTLLISHQMKKLFWEVDPNPKNSWAQGLNFQK 892  
 841 GLYVIVPVISSSILLGLTLLISHQMKKLFWEVDPNPKNSWAQGLNFQK 892

RESULT 7  
 US-08-779-457-4  
 ; Sequence 4, Application US/08779457  
 ; Publication No. US20020193571A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Carter, Paul J.  
 ; APPLICANT: Chiang, Nancy Y.  
 ; APPLICANT: Kyung, Jin Kim  
 ; APPLICANT: Matthews, William  
 ; APPLICANT: Rodrigues, Maria L.  
 ; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
 ; NUMBER OF SEQUENCES: 51  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd  
 ; CITY: South San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94080  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: WinPatIn (Genentech)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/779,457  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/667197  
 ; FILING DATE: 06/20/96  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/585005  
 ; FILING DATE: 01/08/96  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lee, Wendy M.  
 ; REGISTRATION NUMBER: 40,378  
 ; REFERENCE/DOCKET NUMBER: P0986P2  
 ; TELECOMMUNICATION INFORMATION:  
 ;

TELEPHONE: 415/225-1994  
 TELEFAX: 415/952-9881  
 TELEX: 910/371-7168  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 923 amino acids  
 ; TYPE: Amino Acid  
 ; TOPOLOGY: Linear  
 US-08-779-457-4  
 Query Match 95.3%; Score 4614; DB 8; Length 923;  
 Best Local Similarity 96.2%; Pred. No. 0;  
 Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;  
 QY 1 MICGFCVLLHWHQIYVITAFNLSPITPWFKLSCLMPPNSTTNYFLLPAGLSKNTSNS 60  
 DB 1 MICGFCVLLHWHQIYVITAFNLSPITPWFKLSCLMPPNSTTNYFLLPAGLSKNTSNS 60  
 QY 61 NGHYETAPEPKNSGTHPSNLSTKTHCCFRSEODRNCSLCADNIEGRFTFVSTVNSLVP 120  
 DB 61 NGHYETAPEPKNSGTHPSNLSTKTHCCFRSEODRNCSLCADNIEGRFTFVSTVNSLVP 120  
 QY 121 QOIDANWNIQCMKGLDLKLFICYVESLFPKLPNNYKVLHLYLPEVLESDPLVPQKGS 180  
 DB 121 QOIDANWNIQCMKGLDLKLFICYVESLFPKLPNNYKVLHLYLPEVLESDPLVPQKGS 180  
 QY 181 FQWVHCNCSVHCCBCLVPVPTAKLNDTLLMCLKITSGGVIFXSPLMVQPINMVKPDP 240  
 DB 181 FQWVHCNCSVHCCBCLVPVPTAKLNDTLLMCLKITSGGVIFXSPLMVQPINMVKPDP 240  
 QY 241 LGLHWEITDDGNLKJWSWSPPLVPFPLOYQVKSNTTVIREADKIYSATSLVDSILP 300  
 DB 241 LGLHWEITDDGNLKJWSWSPPLVPFPLOYQVKSNTTVIREADKIYSATSLVDSILP 300  
 QY 301 GSSYEYQVRGKELDGPGLWSWSTPRVFTTQDVIYFPFKILTSGVSNVSPHICYKENKI 360  
 DB 301 GSSYEYQVRGKELDGPGLWSWSTPRVFTTQDVIYFPFKILTSGVSNVSPHICYKENKI 360  
 QY 361 VPSKEIIVWNLAEILPOSQYDVSDHVSQVTFNNLNETKPRGLFTYDAYVCCNEHGH 420  
 DB 361 VPSKEIIVWNLAEILPOSQYDVSDHVSQVTFNNLNETKPRGLFTYDAYVCCNEHGH 420  
 QY 421 RVAGLVINVININISCTQNGYLTCTKTCWSTSTIOSLAESTLELRHYRSLSCYNIPSIH 480  
 DB 421 RVAGLVINVININISCTQNGYLTCTKTCWSTSTIOSLAESTLELRHYRSLSCYNIPSIH 480  
 QY 481 PISEPKNCVLOSNGFYQICIPQIFILLSGYTWIRINHSGLSNGSPPTCVLPDSVVKPLPP 540  
 DB 481 PISEPKNCVLOSNGFYQICIPQIFILLSGYTWIRINHSGLSNGSPPTCVLPDSVVKPLPP 540  
 QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
 DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
 QY 601 PDLCAVAVQVRFKELDGLGYWNSNPNAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660  
 DB 601 PDLCAVAVQVRFKELDGLGYWNSNPNAYTVVMDIKVPMRGPFWRINGDTMKKEKNV 660  
 QY 661 YLLKPLMKNDLSQVQRYVNHHTSXNGTWSNVGNHKTETFLWTQOAHVTVLAINSI 720  
 DB 661 YLLKPLMKNDLSQVQRYVNHHTSXNGTWSNVGNHKTETFLWTQOAHVTVLAINSI 720  
 QY 721 GASVANFNLTFSWPMKSNKNIQVSLSAFPLNSSCVIVSWILSPSDVKLMIPIEWNKLNED 780  
 DB 721 GASVANFNLTFSWPMKSNKNIQVSLSAFPLNSSCVIVSWILSPSDVKLMIPIEWNKLNED 780  
 QY 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGPKPIINSFTQNNIEKHQSDA 840  
 DB 781 GEIKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMGVGPKPIINSFTQNNIEKHQSDA 840  
 QY 841 GLYVIVPVISSSILLGLTLLISHQMKKLFWEVDPNPKNSWAQGLNFQK 891  
 DB 841 GLYVIVPVISSSILLGLTLLISHQMKKLFWEVDPNPKNSWAQGLNFQK 891

```

RESULT 8
US-10-214-802-4
; Sequence 4, Application US/10214802
; Publication No. US20030004109A1
; GENERAL INFORMATION:
; APPLICANT: Matthews, William
; TITLE OF INVENTION: WSX RECEPTOR
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/585005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/
; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 923 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-214-802-4
Query Match 95.3%; Score 4614; DB 14; Length 923;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHMQFIVITAFNLISYPIITPWFKLSQWPNSTNYFLLPAGLSKNTS 60
DB 1 MICGKFCVLLHMEFIVITAFNLISYPIITPWFKLSQWPNSTNYFLLPAGLSKNTS 60
QY 61 NGHYETAPEKPNSSGTHFNSLSTTTHCCFRSQDRNCSLCADNIEGRTFVSTVNSLVF 120
DB 61 NGHYETAPEKPNSSGTHFNSLSTTTHCCFRSQDRNCSLCADNIEGRTFVSTVNSLVF 120
QY 121 QOIDANWNIQCWLKGDLLKFCYVESLFKNLFRNYNFKVHLLVYLPEVLEDSPLVPQKGS 180
DB 121 QOIDANWNIQCWLKGDLLKFCYVESLFKNLFRNYNFKVHLLVYLPEVLEDSPLVPQKGS 180
QY 181 FQMVHCNCSVHECCCLVPVPTAKLNTLLMCLKITSGVIFXSPPLMSVQPINWKPDP 240
DB 181 FQMVHCNCSVHECCCLVPVPTAKLNTLLMCLKITSGVIFXSPPLMSVQPINWKPDP 240
QY 241 LGLHMETDDGNLKIWSSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHMETDDGNLKIWSSSPPLVPFPLOYQVKYSENSTTVIREADKIVSATSLVDSILP 300

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QY 301 GSSYEVOYRGKELDQPGIWSDMSTPRVETTDVLYFEPKILTSVGSNSVPHCIYKKNKI 360
DB 301 GSSYEVOYRGKELDQPGIWSDMSTPRVETTDVLYFEPKILTSVGSNSVPHCIYKKNKI 360
QY 361 VPSKEIYVWVHNLAEIIPQSYDVVSDHVSQVYFFNLNETKPRGLFTYDQVYCCNEHGCHH 420
DB 361 VPSKEIYVWVHNLAEIIPQSYDVVSDHVSQVYFFNLNETKPRGLFTYDQVYCCNEHGCHH 420
QY 421 RYAGLYVINVINISCTQNGYLTXTCRWSTSTTQSLAESTLELRYHRESSLYCSNIPSIH 480
DB 421 RYAGLYVINVINISCTQNGYLTXTCRWSTSTTQSLAESTLELRYHRESSLYCSNIPSIH 480
QY 481 PISEPKNCYLOSNGFYQCIPOPIFLLSGYTWIRINHSLSGINSPPPTCVLPDSVVKPLPP 540
DB 481 PISEPKNCYLOSNGFYQCIPOPIFLLSGYTWIRINHSLSGINSPPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLLKISWEKPVFPENNLOFOIRGLSGKEVQWKNYEVNTNPKPSVSLPV 600
DB 541 SSVKAEITINIGLLKISWEKPVFPENNLOFOIRGLSGKEVQWKNYEVNTNPKPSVSLPV 600
QY 601 PDLCAVAVQVRFKRLDGLGYWNSNPAYTVWMDIKVPMEGPPEFWRINGDTWKKEKNV 660
DB 601 PDLCAVAVQVRFKRLDGLGYWNSNPAYTVWMDIKVPMEGPPEFWRINGDTWKKEKNV 660
QY 661 YLLMKPLMKNDLSQVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
DB 661 YLLMKPLMKNDLSQVQRYVINHTSXNGTWSNVGNHTKFTFLWTEQAHTVTVLAINSI 720
QY 721 GASVANFNLTFSWPKSNKNIYQSLSAYPLNSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
DB 721 GASVANFNLTFSWPKSNKNIYQSLSAYPLNSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
QY 781 GEIKWLRISSSVKYYIHDHRIPIEKYQFSLYPIFMEGVGKPKIINSPNTONNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYYIHDHRIPIEKYQFSLYPIFMEGVGKPKIINSPNTONNIEKHQSDA 840
QY 841 GLYVIVPVISSSILLGLTLLISHQRMKLLFWEDVPNPNCSWAQGLNFK 891
DB 841 GLYVIVPVISSSILLGLTLLISHQRMKLLFWEDVPNPNCSWAQGLNFK 891

RESULT 9
US-08-779-457-2
; Sequence 2, Application US/08779457
; Publication No. US20020193571A1
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Chiang, Nancy Y.
; APPLICANT: Kyung, Jin Kim
; APPLICANT: Matthews, William
; APPLICANT: Rodrigues, Maria L.
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,457
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667197
; FILING DATE: 06/20/96

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585005
; FILING DATE: 01/08/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: PG986P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-2

Query Match 95.3%; Score 4614; DB 8; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPITPWRFKLSVCPNNTYNYELLFAGLSKNTS 60
DB 1 MICGKFCVLLHWFIYVITAFNLSYPITPWRFKLSVCPNNTYNYELLFAGLSKNTS 60
QY 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
DB 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
QY 121 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNYYKVHLLYVLPVLEDSPLVPQKGS 180
DB 121 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNYYKVHLLYVLPVLEDSPLVPQKGS 180
QY 181 FQWVHCNCSVHECCBCLVPVPTAKNDTLMLCLKITSGGVIFQSPPLMSVQPINWKPDP 240
DB 181 FQWVHCNCSVHECCBCLVPVPTAKNDTLMLCLKITSGGVIFQSPPLMSVQPINWKPDP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 360
DB 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 360
QY 361 VPSKEIIVMWNLAELIPQSYQDVVSDHVSQVYKTSNNTTVIREADKIVSATSLVDSILP 420
DB 361 VPSKEIIVMWNLAELIPQSYQDVVSDHVSQVYKTSNNTTVIREADKIVSATSLVDSILP 420
QY 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLEIRYHRSSLYCSNIPSIH 480
DB 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLEIRYHRSSLYCSNIPSIH 480
QY 481 PISEPKCYLQNSGYQCIPOIFELLSGYTNWIRINHSLSGLSNPPTCVLPDSVVKPLPP 540
DB 481 PISEPKCYLQNSGYQCIPOIFELLSGYTNWIRINHSLSGLSNPPTCVLPDSVVKPLPP 540
QY 541 SSVKAEITINIGLKIWEKFPVPENNLOQIRYGLSGKGVQWKMVETNPKPKSVSLPV 600
DB 541 SSVKAEITINIGLKIWEKFPVPENNLOQIRYGLSGKGVQWKMVETNPKPKSVSLPV 600
QY 601 PDLCAVAVQVRFRKLDGLGWSNWSNPAVTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
DB 601 PDLCAVAVQVRFRKLDGLGWSNWSNPAVTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660
QY 661 YLLWKPMLKNDSLCSVQRYVINHTSTXNGTWSNNGVHTKFTPLWTEQAHTVTVLAINSI 720
DB 661 YLLWKPMLKNDSLCSVQRYVINHTSTXNGTWSNNGVHTKFTPLWTEQAHTVTVLAINSI 720
QY 721 GASVANFNLFSPWPKSVKNIQVLSAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
DB 721 GASVANFNLFSPWPKSVKNIQVLSAYPLNSSCVIVSWILSPSDVKLMYPIIEWKNLNE 780
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; APPLICATION DATA:
; APPLICATION NUMBER: 08/585005
; FILING DATE: 01/08/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: PG986P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-2

Query Match 95.3%; Score 4614; DB 12; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSETONNIEKHQSDA 840
DB 781 GEIKWLRISSSVKYYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSETODDIEKHQSDA 840
QY 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWEDVPNPNKCSWAQGLNFQK 891
DB 841 GLYVIVPVISSSILLGLTLLSHQRMKKLFWEDVPNPNKCSWAQGLNFQK 891

RESULT 10
US-09-894-039-1
; Sequence 1, Application US/09894039
; Publication No. US20020012949A1
; GENERAL INFORMATION:
; APPLICANT: Laura R. Carpenter
; APPLICANT: Neil Stahl
; APPLICANT: George D. Yancopoulos
; TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING
; TITLE OF INVENTION: AGENTS
; FILE REFERENCE: REG 580-AZ
; CURRENT APPLICATION NUMBER: US/09/894,039
; PRIOR FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: 09/093,814
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/049,108
; PRIOR FILING DATE: 1997-06-09
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1165
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-894-039-1

Query Match 95.3%; Score 4614; DB 12; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPITPWRFKLSVCPNNTYNYELLFAGLSKNTS 60
DB 1 MICGKFCVLLHWFIYVITAFNLSYPITPWRFKLSVCPNNTYNYELLFAGLSKNTS 60
QY 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
DB 61 NGHYETAPEKFNSSGTHFNSLTKTTHCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
QY 121 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNYYKVHLLYVLPVLEDSPLVPQKGS 180
DB 121 QOIDANWNIQWLKGDGLKLFICYVESLFKNLFRNYYKVHLLYVLPVLEDSPLVPQKGS 180
QY 181 FQWVHCNCSVHECCBCLVPVPTAKNDTLMLCLKITSGGVIFQSPPLMSVQPINWKPDP 240
DB 181 FQWVHCNCSVHECCBCLVPVPTAKNDTLMLCLKITSGGVIFQSPPLMSVQPINWKPDP 240
QY 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 300
DB 241 LGLHMEITDDGNLKIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 300
QY 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 360
DB 301 GSSYEVOVRGRKLDGPGIWSWSPPLVPFPLOQYQVYSENSTTVIREADKIVSATSLVDSILP 360
QY 361 VPSKEIIVMWNLAELIPQSYQDVVSDHVSQVYKTSNNTTVIREADKIVSATSLVDSILP 420
DB 361 VPSKEIIVMWNLAELIPQSYQDVVSDHVSQVYKTSNNTTVIREADKIVSATSLVDSILP 420
QY 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLEIRYHRSSLYCSNIPSIH 480
DB 421 RYAGLYVINVNINISCTQNGYLTQMTCRWSTSTIQSLAESTLEIRYHRSSLYCSNIPSIH 480
QY 481 PISEPKCYLQNSGYQCIPOIFELLSGYTNWIRINHSLSGLSNPPTCVLPDSVVKPLPP 540
DB 481 PISEPKCYLQNSGYQCIPOIFELLSGYTNWIRINHSLSGLSNPPTCVLPDSVVKPLPP 540
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Db 481 PISEPKDCYLOSDGFECIFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRITGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRITGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
Qy 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660  
Db 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660  
Qy 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
Db 661 TLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
Qy 721 GASVANFNLTFSWPKSKNIVQSLAYPLNSSCVIVSWILSPSDVKMLPIIEWKLNED 780  
Db 721 GASVANFNLTFSWPKSKNIVQSLAYPLNSSCVIVSWILSPSDVKMLPIIEWKLNED 780  
Qy 781 GEIKWLRISSSVKXYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSSVKXYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Qy 841 GLYVIVPVISSSILLGTLISHQRMKKLFWDVNPKNCSWAQGLNFOK 891  
Db 841 GLYVIVPVISSSILLGTLISHQRMKKLFWDVNPKNCSWAQGLNFOK 891

RESULT 11  
US-10-095-929-11  
; Sequence 11, Application US/10095929  
; Publication No. US2002019732A1  
; GENERAL INFORMATION:  
; APPLICANT: Snodgrass, H. Ralph  
; Cioffi, Joseph  
; Zupancic, Thomas Joel  
; Shafer, Alan Wayne  
; TITLE OF INVENTION: METHODS FOR USING THE OBSE  
; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
; DEVELOPMENT  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds LLP  
; STREET: 1155 Avenue of The Americas  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10036-2811  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/095,929  
; FILING DATE: 12-Mar-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/618,957  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Poissant, Brian M.  
; REGISTRATION NUMBER: 28,462  
; REFERENCE/DOCKET NUMBER: 008907-0033-999  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-493-4935  
; TELEFAX: 650-493-5556  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1165 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

; MOLECULE TYPE: protein  
; SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
US-10-095-929-11  
Query Match 95.3%; Score 4614; DB 13; Length 1165;  
Best Local Similarity 96.2%; Pred. No. 0;  
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;  
Qy 1 MICGKFCVLLHWQIYVITAFNLSYPITPRFKLSKMPNSTTNYFLLPAGLSKNTSNS 60  
Db 1 MICQKFCVLLHWEFIYVITAFNLSYPITPRFKLSKMPNSTYDYFLLPAGLSKNTSNS 60  
Qy 61 NGHYETAVEPKFNSGTHFSNLSKTTTFFCCPRSEODRNCSLCADNIEGRFTVSTVNSLVF 120  
Db 61 NGHYETAVEPKFNSGTHFSNLSKTTTFFCCPRSEODRNCSLCADNIEGRFTVSTVNSLVF 120  
Qy 121 QOIDANWNIQWLGDKLKFICYVESLKNLFRNNYKXVHLLYVLPVLESPLVPQKGS 180  
Db 121 QOIDANWNIQWLGDKLKFICYVESLKNLFRNNYKXVHLLYVLPVLESPLVPQKGS 180  
Qy 181 FQWVCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGGVTFXSPMSVQPINMVKPDP 240  
Db 181 FQWVCNCSVHECCBCLVPVPTAKLNDTLLMCLKITSGGVTFXSPMSVQPINMVKPDP 240  
Qy 241 LGLHMEITDDGNLKISWSSPPLVPPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Db 241 LGLHMEITDDGNLKISWSSPPLVPPLOYQVKYSENSTTVIREADKIVSATSLLVDSILP 300  
Qy 301 GSSYEVQVRGKELDGPGLWSMDSTPRVFTQDVIYFPBKILTSVGSNVSPHCIVKKNKI 360  
Db 301 GSSYEVQVRGKELDGPGLWSMDSTPRVFTQDVIYFPBKILTSVGSNVSPHCIVKKNKI 360  
Qy 361 VPSKEIVMWHNLAEIIPQSDYDVSDHVSQVTFNFKLTKRGLFTYDAVYCCNHHGCHH 420  
Db 361 VPSKEIVMWHNLAEIIPQSDYDVSDHVSQVTFNFKLTKRGLFTYDAVYCCNHHGCHH 420  
Qy 421 RVAGLYVINVNINISQOTNGYLTWTKRWSSTIOSLAESTLEIRYHSSLYCSNIPSIH 480  
Db 421 RVAGLYVINVNINISQOTNGYLTWTKRWSSTIOSLAESTLEIRYHSSLYCSNIPSIH 480  
Qy 481 PISEPKDCYLOSDGFECIFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540  
Db 481 PISEPKDCYLOSDGFECIFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540  
Qy 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRITGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
Db 541 SSVKAEITINIGLLKISWEKVPFPENNLOFQIRITGLSGKEVQWKMYEVTNPKPKSVSLPV 600  
Qy 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660  
Db 601 PDLCAVAVQVRKRLDGLGYWNSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKV 660  
Qy 661 YLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
Db 661 TLLWKPLMKNDSLCSVQRYVINHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
Qy 721 GASVANFNLTFSWPKSKNIVQSLAYPLNSSCVIVSWILSPSDVKMLPIIEWKLNED 780  
Db 721 GASVANFNLTFSWPKSKNIVQSLAYPLNSSCVIVSWILSPSDVKMLPIIEWKLNED 780  
Qy 781 GEIKWLRISSSVKXYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Db 781 GEIKWLRISSSVKXYIHDHFIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
Qy 841 GLYVIVPVISSSILLGTLISHQRMKKLFWDVNPKNCSWAQGLNFOK 891  
Db 841 GLYVIVPVISSSILLGTLISHQRMKKLFWDVNPKNCSWAQGLNFOK 891

RESULT 12  
US-10-214-802-2  
; Sequence 2, Application US/10214802  
; Publication No. US20030004109A1

```

GENERAL INFORMATION:
APPLICANT: Matthews, William
Bennett, Brian
TITLE OF INVENTION: WSX RECEPTOR
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA: US/10/214,802
APPLICATION NUMBER: US/10/214,802
FILING DATE: 06-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/780,562
FILING DATE: <Unknown>
APPLICATION NUMBER: 08/585005
FILING DATE: 08-Jan-97
APPLICATION NUMBER: 60/
FILING DATE: 08-Jan-97
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 40,378
REFERENCE/DOCKET NUMBER: P0986R1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1165 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-214-802-2

Query Match 95.3%; Score 4614; DB 14; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPIPTWRFKLSQMPNSTTNYFLLPAGLSKNTS 60
DB 1 MICGKFCVLLHWFEIYVITAFNLSYPIPTWRFKLSQMPNSTYDYFLLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSGTHFSNLSTTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
DB 61 NGHETAVEPKFNSGTHFSNLSTTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
QY 121 QQIDANNWNIQWLKGLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
DB 121 QQIDANNWNIQWLKGLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
QY 181 FQVHNCNSVHECCCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINNVKPDPP 240
DB 181 FQVHNCNSVHECCCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINNVKPDPP 240
QY 241 LGLHWEITDDGNLKSWSPPPLPQYQVYKSENSTTVIRADKIVSATSLLVDSILP 300
DB 241 LGLHWEITDDGNLKSWSPPPLPQYQVYKSENSTTVIRADKIVSATSLLVDSILP 300
QY 301 GSSYEYQVRKRLDGPGLWSDWSTPRVFTTQDVIIYFPFKILTSVGSNSVSPHC:YKKNKI 360
DB 301 GSSYEYQVRKRLDGPGLWSDWSTPRVFTTQDVIIYFPFKILTSVGSNSVSPHC:YKKNKI 360
QY 361 VPSKEIVWNNLAELIPQSQDYDVSDHVSQVTFNNLNETKPRGKFTYDAVYCCNEHCCH 420

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## RESULT 13

```

US-10-226-579-4
; Sequence 4, Application US/10226579
; Publication No. US20030073634A1
; GENERAL INFORMATION:
; APPLICANT: Myers, Martin
; TITLE OF INVENTION: METHODS OF TREATING OBESITY
; FILE REFERENCE: 10276-071001
; CURRENT APPLICATION NUMBER: US/10/226,579
; CURRENT FILING DATE: 2002-08-23
; PRIOR APPLICATION NUMBER: US 60/314,976
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 1165
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-226-579-4

Query Match 95.3%; Score 4614; DB 14; Length 1165;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 16; Mismatches 18; Indels 0; Gaps 0;

QY 1 MICGKFCVLLHWQFIYVITAFNLSYPIPTWRFKLSQMPNSTTNYFLLPAGLSKNTS 60
DB 1 MICGKFCVLLHWFEIYVITAFNLSYPIPTWRFKLSQMPNSTYDYFLLPAGLSKNTS 60
QY 61 NGHETAVEPKFNSGTHFSNLSTTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
DB 61 NGHETAVEPKFNSGTHFSNLSTTTHCCPRSDRNCSLCADNIEGRFTVSTVNSLVF 120
QY 121 QQIDANNWNIQWLKGLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
DB 121 QQIDANNWNIQWLKGLKLFICYVESLFPKLFNRYNYKVHLLVYLPVLEDSPLVPQKGS 180
QY 181 FQVHNCNSVHECCCECLVPVPTAKLNDTLMLCLKITSGGVIFXSPMSVQPINNVKPDPP 240

```



```
Db 181 FQWVHCNCSVECECECLVPVPTAKLNDTLMLCKLITSGGVI FOSPLMSVQPINWVKPDP 240
Qy 241 LGLHMEITDDGNLKISWSSPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300
Db 241 LGLHMEITDDGNLKISWSSPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300
Qy 301 GSSYEVQVRGKRLDGGIWDGMSDTPRVFTTQDVVYPPPKLITSVGNSVFHCHYKKNKI 360
Db 301 GSSYEVQVRGKRLDGGIWDGMSDTPRVFTTQDVVYPPPKLITSVGNSVFHCHYKKNKI 360
Qy 361 VPSKEI VVWVHNLAELIPQSDYDVVSDHVSQVTFVFNLNKTPRGLFTYDAVYCCNEHGCHH 420
Db 361 VPSKEI VVWVHNLAELIPQSDYDVVSDHVSQVTFVFNLNKTPRGLFTYDAVYCCNEHGCHH 420
Qy 421 RYAGLYVINVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSIH 480
Db 421 RYAGLYVINVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSIH 480
Qy 481 PISEPKNCYLQSGNFYOCIPQPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKNCYLQSGNFYOCIPQPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKVYEVNTPKPKSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKVYEVNTPKPKSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRILNGDTMKKEKNV 660
Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRILNGDTMKKEKNV 660
Qy 661 YLLWKPLMKNDLSLCSQVRYVINNHITSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
Db 661 YLLWKPLMKNDLSLCSQVRYVINNHITSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720
Qy 721 GASVANENLTFSPWMSKVNIVQSLAYSAYPLNSSCVIVSWILSPSDVKLWYFIIEWKLNED 780
Db 721 GASVANENLTFSPWMSKVNIVQSLAYSAYPLNSSCVIVSWILSPSDVKLWYFIIEWKLNED 780
Qy 781 GEIKWLRISSSVKYYIHDHFPIETKYOFSLYPIFMGVGKPKTIINSFTONNIEKHQSDA 840
Db 781 GEIKWLRISSSVKYYIHDHFPIETKYOFSLYPIFMGVGKPKTIINSFTONNIEKHQSDA 840
Qy 841 GLYVIVPVITSSSILLGTLIIHQRMKKUFWEDVNPKNCSWAQGLNFQK 891
Db 841 GLYVIVPVITSSSILLGTLIIHQRMKKUFWEDVNPKNCSWAQGLNFQK 891
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## RESULT 14

```
US-10-095-929-8
; Sequence 8, Application US/10095929
; Publication No. US2002019732A1
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
;             Cioffii, Joseph
;             Zupancic, Thomas Joel
;             Shafer, Alan Wayne
; TITLE OF INVENTION: METHODS FOR USING THE OBSE
;                   GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
;                   DEVELOPMENT
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds LLP
; STREET: 1155 Avenue of The Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/095,929
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/618,957
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 008907-0033-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 958 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
; US-10-095-929-8
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Query Match 95.3%; Score 4612; DB 13; Length 958;
Best Local Similarity 96.2%; Pred. No. 0;
Matches 857; Conservative 15; Mismatches 19; Indels 0; Gaps 0;

Qy 1 MTCGFCVLLHWQIYIYITAFNLSPYITPWRFKLSCMPPNSTTNYFLLPAGLSKNTS 60
Db 1 MTCQFCVLLWEFIYIYITAFNLSPYITPWRFKLSCMPPNSTYDFLLPAGLSKNTS 60
Qy 61 NGHETAVEPKNSGTHFSNLSKTTFFCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
Db 61 NGHETAVEPKNSGTHFSNLSKATFFCCFRSEODRNCSLCADNIEGRTFVSTVNSLVF 120
Qy 121 QIDANWNIQWLKQDLKLFICYVBSLFRNLPNNYKVHLLYVPEVLEDSPLVPQKGS 180
Db 121 QIDANWNIQWLKQDLKLFICYVBSLFRNLPNNYKVHLLYVPEVLEDSPLVPQKGS 180
Qy 181 FQWVHCNCSVHCCCLVPVPTAKLNDTLMLCKLITSGGVI FOSPLMSVQPINWVKPDP 240
Db 181 FQWVHCNCSVHCCCLVPVPTAKLNDTLMLCKLITSGGVI FOSPLMSVQPINWVKPDP 240
Qy 241 LGLHMEITDDGNLKISWSSPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300
Db 241 LGLHMEITDDGNLKISWSSPPLVPFPLOQYQVKSSENSTTVIREADKIVSATSLLVDSILP 300
Qy 301 GSSYEVQVRGKRLDGGIWDGMSDTPRVFTTQDVVYPPPKLITSVGNSVFHCHYKKNKI 360
Db 301 GSSYEVQVRGKRLDGGIWDGMSDTPRVFTTQDVVYPPPKLITSVGNSVFHCHYKKNKI 360
Qy 361 VPSKEI VVWVHNLAELIPQSDYDVVSDHVSQVTFVFNLNKTPRGLFTYDAVYCCNEHGCHH 420
Db 361 VPSKEI VVWVHNLAELIPQSDYDVVSDHVSQVTFVFNLNKTPRGLFTYDAVYCCNEHGCHH 420
Qy 421 RYAGLYVINVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSIH 480
Db 421 RYAGLYVINVNINISCTNGYLTMTCRWSTSTIQSLAESTLELRHRSLSLYCSNTPSIH 480
Qy 481 PISEPKNCYLQSGNFYOCIPQPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
Db 481 PISEPKNCYLQSGNFYOCIPQPIFLLSGYTMWIRINHSLSGLNSPPTCVLPDSVVKPLPP 540
Qy 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKVYEVNTPKPKSVSLPV 600
Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQWKVYEVNTPKPKSVSLPV 600
Qy 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRILNGDTMKKEKNV 660
Db 601 PDLCAVAVQVRKRLDGLGYSWNSNPAYTVVMDIKVPMRGPEFWRILNGDTMKKEKNV 660
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QY 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
 DB 661 TLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
 QY 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSCVIVSWILSPSDVKMLPIIWKNNLNE 780  
 DB 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSCVIVSWILSPSDVKMLPIIWKNNLNE 780  
 QY 781 GBKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
 DB 781 GBKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
 QY 841 GLYIVPVISSILLGLTLISHQRMKCLFWEDVPNPKNSWAQGLNFQK 891  
 DB 841 GLYIVPVISSILLGLTLISHQRMKCLFWEDVPNPKNSWAQGLNFQK 891  
 RESULT 15  
 US-10-095-929-3  
 ; Sequence 3, Application US/10095929  
 ; Publication No. US20020197232A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Snodgrass, H. Ralph  
 ; Cioffi, Joseph  
 ; Zupancic, Thomas Joel  
 ; Shafer, Alan Wayne  
 ; TITLE OF INVENTION: METHODS FOR USING THE OBESE  
 ; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
 ; DEVELOPMENT  
 ; NUMBER OF SEQUENCES: 28  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pernie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10036-2811  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FastSeq Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/10/095,929  
 ; FILING DATE: 12-Mar-2002  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/618,957  
 ; FILING DATE: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poissant, Brian M.  
 ; REGISTRATION NUMBER: 28,462  
 ; REFERENCE/DOCKET NUMBER: 008907-0033-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 650-493-4935  
 ; TELEFAX: 650-493-5556  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 3:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 960 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 US-10-095-929-3

Query Match 95.2%; Score 4607; DB 13; Length 960;  
 Best Local Similarity 96.1%; Pred. No. 0;  
 Matches 856; Conservative 15; Mismatches 20; Indels 0; Gaps 0;  
 QY 1 MICQKFCVLLHWEFTYVITAFNLSPITPMRFKLSMPNPSTYDYFLLPAGLSKNTSNS 60

DB 3 MICQKFCVLLHWEFTYVITAFNLSPITPMRFKLSMPNPSTYDYFLLPAGLSKNTSNS 62  
 QY 61 NGHYETAVPEPKNSGTHPSNLSKTEHCCFPSEODRNCSCADNIERTFTVSTVNSLVF 120  
 DB 63 NGHYETAVPEPKNSGTHPSNLSKTEHCCFPSEODRNCSCADNIERTFTVSTVNSLVF 122  
 QY 121 QQIDANWNIQCWLKGLDKLFCYVESLFGKLPFNNTNYKVHLLYVLPVLEDSPLVPQKGS 180  
 DB 123 QQIDANWNIQCWLKGLDKLFCYVESLFGKLPFNNTNYKVHLLYVLPVLEDSPLVPQKGS 182  
 QY 181 FQWTHCNCVHCECCCLVPVPTAKLNDLLMCLKITSGGVIFXSPMSVQPINMKPPPP 240  
 DB 183 FQWTHCNCVHCECCCLVPVPTAKLNDLLMCLKITSGGVIFXSPMSVQPINMKPPPP 242  
 QY 241 LGLHMEITDDGNLKIWSWSPPLVPPLOYQVKYSENSTTVIREADKIYSATSLLVDSILP 300  
 DB 243 LGLHMEITDDGNLKIWSWSPPLVPPLOYQVKYSENSTTVIREADKIYSATSLLVDSILP 302  
 QY 301 GSSYEVOVRGKLDGPGIWSDWSTPRVFTTQDVIIYFPFKILTSVGSNVSFHCIIYKENKI 360  
 DB 303 GSSYEVOVRGKLDGPGIWSDWSTPRVFTTQDVIIYFPFKILTSVGSNVSFHCIIYKENKI 362  
 QY 361 VPSKEIIVMWHNLAEIIPQSYDVSDHVSQVTFEFLNETKPRGLFTYDAVCCNEHGHCH 420  
 DB 363 VPSKEIIVMWHNLAEIIPQSYDVSDHVSQVTFEFLNETKPRGLFTYDAVCCNEHGHCH 422  
 QY 421 RVAGLYVINNVINISQOTNGYLTQKTCRWSTSTIOSLAESTLELRYHRSLLYCSNIPSIH 480  
 DB 423 RVAGLYVINNVINISQOTNGYLTQKTCRWSTSTIOSLAESTLELRYHRSLLYCSNIPSIH 482  
 QY 481 PISEPKCYLOSNGFVQCIPOPIFLLSGYTWIRINHSIGLSNPCTCVLPDSVVKPLPP 540  
 DB 483 PISEPKCYLOSNGFVQCIPOPIFLLSGYTWIRINHSIGLSNPCTCVLPDSVVKPLPP 542  
 QY 541 SSVKAEITINIGLLKISWEKPVFPENNIFQIIRGLSGKEVQWKYEVNPKPSVSLPV 600  
 DB 543 SSVKAEITINIGLLKISWEKPVFPENNIFQIIRGLSGKEVQWKYEVNPKPSVSLPV 602  
 QY 601 PDLCAVAVQVRFKLDGLGYWSNPNPAYTVWMDIKVPMGEPFWRINGDTMKKEKV 660  
 DB 603 PDLCAVAVQVRFKLDGLGYWSNPNPAYTVWMDIKVPMGEPFWRINGDTMKKEKV 662  
 QY 661 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 720  
 DB 663 YLLWKPLMKNDLSCVQRYVINHHTSXNGTWSNVGNHKTFTFLWTEQAHTVTVLAINSI 722  
 QY 721 GASVANFNLTFSWPMKSNIVQSLAYSPLNSCVIVSWILSPSDVKMLPIIWKNNLNE 780  
 DB 723 GASVANFNLTFSWPMKSNIVQSLAYSPLNSCVIVSWILSPSDVKMLPIIWKNNLNE 782  
 QY 781 GBKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 840  
 DB 783 GBKWLRISSSVKYYIHDHPIPIEKYQFSLYPIFMEGVGKPKIINSFTQNNIEKHQSDA 842  
 QY 841 GLYIVPVISSILLGLTLISHQRMKCLFWEDVPNPKNSWAQGLNFQK 891  
 DB 843 GLYIVPVISSILLGLTLISHQRMKCLFWEDVPNPKNSWAQGLNFQK 893

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 Job time : 63 secs